

BC Marketplace

A UNIT OF BC GROUP INTERNATIONAL, INC.



2014-2015 CATALOG



TSI Certifier-FA PLUS Flow Analyzer

See Page V



OHMIC UPM-DT-100AV Ultrasound Power Meter

See Page L



Visit Our New Web Store
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RTI COBIA Family X-ray QA Meters

See Page 00

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please deliver to:
- Biomedical Engineering
- Clinical Engineering
- Service Manager

3081 Elm Point Industrial Dr.
St. Charles, MO 63301



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US POSTAGE PAID
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Fax:

1-314-638-3200

Hours:

8:00 am to 5:00 pm CST

Address:

BC Group International, Inc.
3081 Elm Point Industrial Dr.
St. Charles, MO 63301 USA

Eastern Regional Sales Office

Loganville, GA
Office: 770-554-9298

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dealerissues@bcgroupintl.com

E-Mail:

sales@bcgroupintl.com
service@bcgroupintl.com

Website & Web Store:

www.bcgroupintl.com
www.bcgroupstore.com

Customer Satisfaction & Feedback

We strive for 100% Customer Satisfaction. Your feedback is very important to us & we take each comment seriously. Many of our improvements have been implemented due to recommendations from customers. After each sales or service transaction, please take a moment to complete a Customer Satisfaction survey found in your product shipment paperwork.

Please contact us any time if we fail to meet your expectations

Pricing Notes

We try to ensure that prices are up-to-date as of printing date but it isn't always possible. For up-to-date pricing, contact us or visit our web site. All prices are in U.S. dollars (USD); International Pricing can be determined by adding 20% to the item's listed price.

PLEASE NOTE:

Pricing and Specifications may
change without notice.

SF-SLS-185 (A) BC Market Place Catalog

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ISO 13485:2003
Certified
ISO 9001:2008
Certified
ISO 17025:2005
Accredited

Be sure to check out what is new from the BC Marketplace:



BC Biomedical NIBP-1040-BE
NIBP Simulator

Page H



BC Biomedical ESU-2400H
Digital ESU Analyzer

Page G



BC Biomedical ESU-2050P
Digital ESU Analyzer

Page F

Doing Business with BC Group

We make it easy

Here are the ways to order products and services from us:

- **Buy Online:** Safe, secure internet shopping at www.bcgroupintl.com
- **Credit Card:** MasterCard, Visa, American Express and Discover (Domestic Only) International with prior approval only
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- **C.I.A.:** Cash/Payment in Advance
- **Net 30 Day Terms:** Please contact one of our sales team members if you're interested in this program
- **Wire Transfer:** Electronic Payment (\$50 USD additional bank charge added to total amount.)
- **Signature Required:** Our default shipping method is signature required. We must receive authorization in writing to ship without signature.
- **Handling Fee:** Handling fees will apply, especially when shipping on third party shipping account
- **Blanket Purchase Order:** A BPO for a year or more saves time and administrative costs for your organization
- **Lease-to-Own:** Purchase capital equipment without the up-front cash outlay while enjoying tax benefits and off-balance-sheet financing
- **Biomedical Teaching Institution Discount Program:** Contact us for more information concerning this program
- **Major Account Programs:** Special incentives and support for larger customers, covering both product purchases and test equipment service. We can custom-design a program for you, covering everything from "new-hire" test equipment/tool assortments to complete management of your calibration program. If you're a large ISO, a manufacturer or have multiple sites, be sure to inquire.
- **Faxed-in Orders:** Upon completing our faxable order form, located at www.bcgroupintl.com, feel free to fax it to us at 1-314-638-3200 to ensure prompt processing.
- **Authorized Dealers:** Check www.bcgroupintl.com for a list of dealers.

PLEASE NOTE:

Minimum order with BC Group is \$50 domestic, \$250 international.

In Alphabetical Order

78XX Test Box (Ohmeda®)Y
Absolute Pressure Meters . . .P,Q
Accessories, Biomedical . . .DD
AlnorS
AmvexS
Analytical BalancesCC
Analytical Instruments, Inc. . .AA
Anesthesia Test Equip. . . .W,Y,Z
Anesthetic Agent Analyzer . . .Z
AnsonicsU
Atrix MRI VacuumPP
BacharachR
BalometersS
Battery EliminatorsII
BC BiomedicalA,B,D,E,F,G,I,J,
K,M,N,V,X,Y,Z,BB,DD,EE,FF,GG,HH,II
Biomedical Test Equip., Misc . .
BB,CC
BK PrecisionJJ
Blood Pressure Cables . . .EE,FF
CablesD,EE,FF,GG
Cardiac Output SimsD,H
Carts & DolliesRR
CasesRR
CDIRR
ChatillionJ
Clamp-onsKK
CO₂/CO MonitorsR,T
Current SourceB
Defibrillator AnalyzersE
Dew Point MetersT
Digital Force GaugesJ
Digital Hanging ScalesJ
Digital MultimetersKK,LL
Digital Pressure MetersN-Q
Digital ThermometersMM
DranTechLL
ECG Sims & AccessD
EnvironmentalR
Environmental SensorsS
ESD KitsPP
ESU Analyzers & Access . .E,F,G
ExtechJ,S,BB,CC,KK,MM
FingerSim™I
Flow AnalyzerW
FlowhoodsS
FlowmetersT,Y,Z
Fluke®KK,JJ,MM
Gammex RMINN
Gas AnalyzersR,T,W
GaugesP,U
GelmanT

GilmontZ
Gossen Light MeterQQ
Halogen Leak DetectorsU
Hand Pumps (Pressure/Vac) . . .U
HEPA VacuumsPP,RR
HVACS
ImagingNN
Infrared ThermometersMM
Infusion Pump AnalyzersJ
Intl. Safety AnalyzerB
Invasive Blood PressureEE
Kart-A-BagRR
Kelvin & Chassis Cables . . .B,DD
Key InstrumentsT
Krytox LubricantY
Laser Heads/Power Wattmeters . .CC
Leak DetectorsU
Light MetersBB
Low Pressure Warning Devices . .U
Lung SimsX
MagnumU
Mass FlowmetersT,Y
MathesonT
Maxtec Oxygen Analyzer . . .AA
Medical GasU,T
Medical Gas Fitting KitsT
MeriamU,P,Q
MiniOxAA
Michigan InstrumentsX
MultimetersKK,LL
Multi-Parameter SimsD,H
Nellcor SpO₂I
NIBPH
NIBP Adapter/Fitting KitI,DD
Nitrogen Purging Regulator . . .T
Nitrous Oxide MonitorsR,T
Noise DosimetersBB
OhmicM,T
OphirCC
OscilloscopesJJ
Oxygen AnalyzersAA
Oxygen Lube Thread Sealant . .Y
Oxygen MonitorsAA
Oxygen SensorsAA
Pacemaker TesterE
Particulate FiltersT
Patient SimsA,D,H
Pearson CTF
Phantom, UltrasoundNN
Physical TherapyJ
Pocket Testers (Nellcor)I
Power Cord OptionsHH

Power Line DisturbanceLL
PowerXplorerLL
Pressure GaugesP,U
Pressure Meter Adapter Kits . . .Z
Pulse Oximetry SimsI
ReminRR
Remote Control, Pat SimD
Resistors, LoadF
Respiratory Test Equip .V,W,X,Y,Z
RespirometersY
Rice LakeCC
Safety Analyzer CablesB,DD
Safety AnalyzersA,B
ScalesCC
ScopometersJJ
Simulators, PatientA,D,H
Smart ManometerQ,P
Snoop Leak DetectorU
Sound Level MetersCC
Spectrum AnalyzersJJ
SpO₂I
SPO-2000I
Static KitRR
StopwatchesJ,CC
TachometersBB
TC-1726BB
TEE TesterC
TemperatureMM
Temperature AdaptersMM
Test Lead SetsKK
Test LungsX
TGAR
Thermo-AnemometersS
ThermometersMM
TIFU,BB,MM
Torque ScrewdriversRR
TSI CertifierU
Ultrasonic Leak DetectorsC
Ultrasound AdaptersC
Ultrasound Imaging Phantom . .NN
Ultrasound Leak TesterU
Ultrasound WattmetersK,L
UMAK
Unfors RaysafeOO,PP
UW6 Ultrasound Wattmeter . . .K
Vacuums, ServicePP,RR
Ventilator AnalyzersW,V
WeightsCC
WesternU
WIKA Pressure GaugesU

(Manufacturer names are highlighted in red)

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Biomedical Products

Look for the BCB Exclusive symbol (pictured to the right) for all of our own BC Biomedical proprietary brand products found throughout this catalog. You will notice that BC Biomedical products will ensure you receive high quality products at minimal cost. The flip side of this catalog is dedicated to the BC Biomedical Products, with full specifications and detailed model information.



BC Biomedical Safety Analyzer Series

The SA-2000 Series is a Microprocessor-based Electrical Safety Analyzer Family. All five models provide the same basic functions and each comes with a BC20-20110 Chassis (Black) cable for easier testing and BC Biomedical soft carrying case for extra protection.

The SA-2000 Family of Safety Analyzers allows the user a great deal of flexibility in testing. Plus any of the basic tests can be run in almost any sequence.

The compact size makes the SA-2000 Family easy to hold and operate. All models operate from 90 to 264V @ 50/60 Hz, with Load Currents up to 20 amps, so there is no need to purchase two different analyzers to cover your testing needs. The SA-2010S is the smallest safety analyzer available with a built-in ECG Patient Simulator.

- The SA-2005 has all of the SA-2000 features, plus adds 5 Patient Lead connectors
- The SA-2010 has all of the SA-2005 features, and has 10 Patient Lead connectors
- The SA-2010S has all of the SA-2010 features, plus adds an ECG Patient Simulator
- RS232 -R Option add \$125

For Point-to-Point Testing, please order the BC20-20111 BC Biomedical External (Red) Cable (see page B).

Flip for more info on this series - Pages 1-2

All SA Series Prices Include
Soft Carrying Case BC20-30107.



Model
Price (ea)



SA-2000
\$650/\$775-R



SA-2001
\$885/\$1010-R



SA-2005
\$1170/\$1295-R



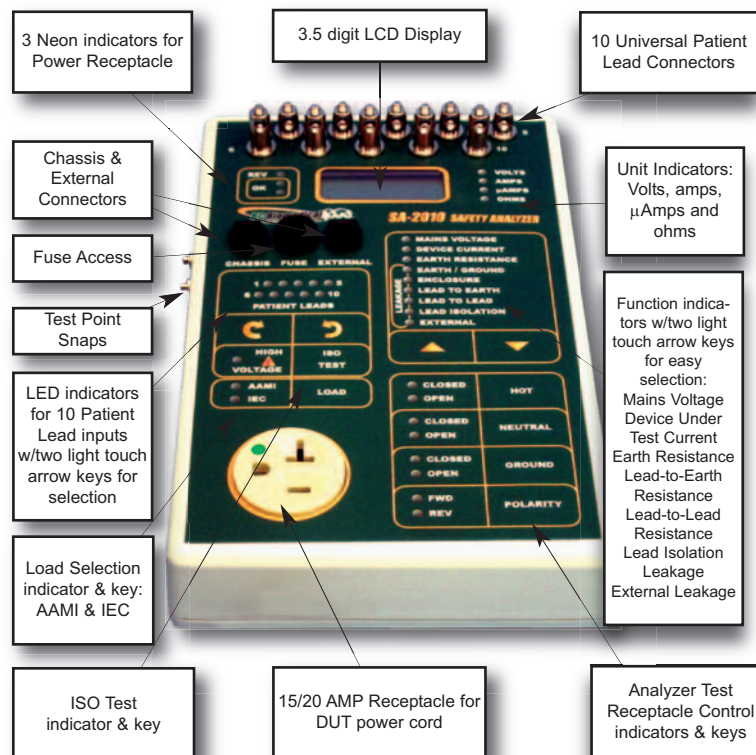
SA-2010
\$1390/\$1515-R



SA-2010S
\$1625/\$1750-R

Load Current	No	Yes	Yes	Yes	Yes
Ground Resistance	Yes	Yes	Yes	Yes	Yes
Chassis Leakage Current	Yes	Yes	Yes	Yes	Yes
Earth Leakage Current	Yes	Yes	Yes	Yes	Yes
Patient Lead Testing	No	No	Yes	Yes	Yes
RS232 -R	-R Optional	-R Optional	-R Optional	-R Optional	-R Optional
Lead Isolation	No	No	Yes	Yes	Yes
AAMI & IEC Loads	AAMI Only	Yes	Yes	Yes	Yes
ECG Simulation	No	No	No	No	Yes
Line Voltage	No	Yes	Yes	Yes	Yes
External Fuse Access	Yes	Yes	Yes	Yes	Yes
Voltage Range 90 to 264V	Yes	Yes	Yes	Yes	Yes
Size	8.7" x 5.7" x 1.9"	8.7" x 5.7" x 1.9"	8.7" x 5.7" x 2.4"	8.7" x 5.7" x 2.4"	8.7" x 5.7" x 2.4"

SA-2010 Layout



A



B



BC Biomedical International Safety Analyzer Series

The SA-2000-INTL Series is ideal for those needing a power cord that can be selected to meet their international power needs. One power cord is included with purchase. Additional power cords can be purchased at any time.

- SA-2000-INTL Base International Unit Model \$750
- A. SA-2001-INTL Base Plus Point-to-Point and Voltage \$985
- SA-2005-INTL 5 Test Lead Model \$1270
- SA-2010-INTL 10 Test Lead Model \$1490
- SA-2010S-INTL SA-2010-INTL w/built-in ECG Sim. \$1725

- Additional Power Cords (each) \$60
- RS232 -R Option \$125

Flip for more info on this series - Pages 3-4

B. BC Biomedical CS-2000 Series

The CS-2000 is a 1 amp current source series for testing to IEC 601 specs where a 1 amp source current is required.

- CS-2000-E 220 V (European Version) \$885
- CS-2000-U 110 V (U.S. Version) \$775

Safety Analyzer Cables

- C. BC20-20100 BC Biomedical Kelvin Cable (DNI Type)
 - Will fit the following DNI/Fluke Biomedical models: 231, 232, 234, 235, 431, 432, u-Test2000 & all model medTesters \$135
- D. BC20-20110 BC Biomedical Chassis (black) Cable (BC Biomedical/Dale Technology® Type) \$88
- E. BC20-20111 BC Biomedical External (red) Cable (BC Biomedical/Dale Technology® Type) \$88
- BC20-20115 BC Biomedical Kelvin Cable (BCB Type) \$108

F. BC Biomedical SA-2500 \$3275

The SA-2500 is a Microprocessor based Electrical Safety Analyzer.

There are 2 Modes of operation, Manual and Remote. The Manual mode allows most basic testing functions to be stepped through one at a time. With the Remote mode, measurements are controlled via a PC. The user has the possibility to integrate all measurements into the individual operator interface at the PC and to define test sequences

Safety Analyzer Cables For SA-2500

- G. BC20-20150 Chassis Cable (Non-Kelvin), optional for external measurement mode \$108
- BC20-20151 Chassis Cable (Kelvin), one comes with the unit. \$108

C



E



D



F



G





A. BC Biomedical ULT-2000 TEE Tester Series

The ULT-2000 Series is designed to test the electrical safety of all types of diagnostic ultrasound transducers, totally independent of the ultrasound machine. Both models include PC Utility software and Battery Eliminator.

ULT-2010 Base Model \$975

ULT-2020 Base Plus Meter Mode and Datalogging \$1125

Optional Accessories For ULT Series:

- ULT-PC-10 Dual Conductivity Probe (Short) \$320
- ULT-PC-15 Dual Conductivity Probe (Medium) \$390
- ULT-PC-20 Dual Conductivity Probe Set (Long & Short) \$460
- ULT-PC-25 For Gus System \$125
- ULT-PC-30 Dual Conductivity Probe (Flexible). \$320
- BC20-42200 Cidex® Compatible Tray (20") \$320
- BC20-42310 5 Rolls of Printer Paper \$22
- BC20-42321 Printer Cable \$105
- BC20-41361 RS232 Communication Cable, USB(A)M to Mini DIN Male \$140
- BC20-41337 RS232 Communication Cable \$115
- BC20-41339 USB to RS232 Adapter \$115
- BC20-42330 ULT Print Kit Includes \$785
 - BC20-30107 Medium Soft Sided Carrying Case
 - BC20-42321 Printer Cable
 - BC20-42310 5 Rolls of Printer Paper
 - BC20-42300 External Printer
- BC20-42331 ULT Kit Includes \$265
 - BC20-30106 Carrying Case
 - BC20-41337 RS232 Communication Cable
 - BC20-41339 USB to RS232 Adapter



← Flip for more info on this series - Pages 47-52 →

Ultrasound Transducer Adapters (use with ULT-2000 Series)

ULT-PA-10 Acuson/Siemens 8V5,15L8W,V5M,3V2C. \$465

ULT-PA-11 Sonosite Transducers, including TEE . . \$465

ULT-PA-12 Acuson/Siemens 260-PIN \$975

ULT-PA-13 Acuson/Siemens 156-PIN,V510B, \$655

ULT-PA-14 ATL/Philips C9-5 Curved Array, \$975

B. ULT-PA-16 GE LogicQ and GE P9603AU. \$975

ULT-PA-17 Philips/ATL iE33 and iU22 \$975

ULT-PA-18 Philips/HP 4500, Sonos 5500/7500 . . . \$460

C. ULT-PA-19 Philips CX50 Laptop Platform Only. . . \$1025

ULT-PA-20 Toshiba PVF Series, 2B701-753E \$975

ULT-PA-21 Hitachi EUP-ES52M, EUP-Series Probes \$975

ULT-PA-22 Aloka SSD-620, SSD-650 \$975

ULT-PA-24 Philips/ATL 256-pin, w/belled housing . . . \$975

ULT-PA-25 GE LogiqBook Laptop platform transducers \$1025

ULT-PA-27 GE YMS/RT use with YMS/RT transducers . \$655

ULT-PA-29 Zonare Medical Systems \$725

D. ULT-PA-30 GE Vivid E9 \$1100

A



B



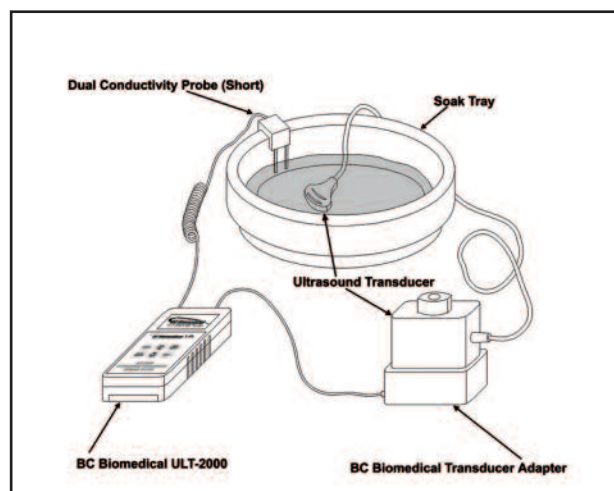
C

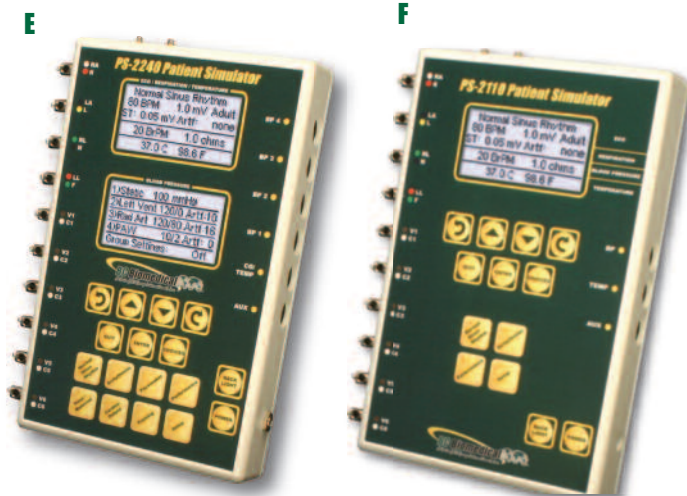


D



Typical Test Setup for Testing Your Ultrasound Transducers with a Transducer-Specific Adapter & a Soak Tray.





For Complete selection of cables go to Pages
EE-GG

BC Biomedical Patient Simulator Series

This Multi-Parameter Patient Simulator Series is the most comprehensive, easy to use family of Simulators on the market. These portable Simulators are intuitive to use since there are NO MORE CODES to enter. The simple scroll control of options makes them the best choice for your routine PM of patient monitoring systems and arrhythmia recognition training needs. The SpO₂ simulation option makes this series a truly unique and versatile tool.

- Powered by two 9V batteries or optional battery eliminator
- Display backlight
- Full remote operation via RS232
- Flash programmable for upgrades
- SpO₂, Cardiac Output and Fetal/Maternal options
- Special programmable training modes

Flip for more info on this series - Pages 7-14

- All BP Waveforms available on all BP Channels
- E. PS-2240 Patient Simulator with 4 BP Channels . . . \$1945
- PS-2220 Patient Simulator with 4 BP Channels . . . \$1745
- PS-2210 Patient Simulator with 4 BP Channels . . . \$1545
- PS-2105 Patient Simulator with 4 BP Channels . . . \$920
- F. PS-2110 Patient Simulator with 4 BP Channels . . . \$1025

Optional

- MSP-2100 Pulse Oximetry Module . . . \$415
 - BC20-02300 Fetal/Maternal Option . . . \$460
 - BC20-02400 Cardiac Output Option . . . \$460
- (Includes MCO-2100 Interface Module)

- BC Biomedical PSR-2200 Remote available (page 9)
- BC20-30107 Optional Medium Soft Carrying Case. . . \$65

G. BC Biomedical Patient Simulator Remote PSR-2200 \$715

How would you like to have all of your Patient Simulators' outputs available to you on a handheld, easy-to-use remote control, up to 25' away from your Simulator? The PSR-2200 Programmable Patient Simulator Remote Control with Trending Capability brings an unprecedented level of functionality and ease of use to Patient Simulator remote control. There's nothing else on the market that even comes close to this one.

Flip for more info on this series - Pages 9

BC Biomedical ECG Simulator Series

Microprocessor-based ECG Simulators' Provides ECG Simulation with four waveforms with constant QRS duration and six machine performance testing waveforms.

- H. PS-2005 5 Test Lead Model . . . \$360
- I. PS-2006 6 Test Lead Model . . . \$380
- J. PS-2010 10 Test Lead Model . . . \$465

Flip for more info on this item - Pages 13

MicroSim Cardiac Output Simulator 1111 . . . Call for Pricing

- Four Blood flow rates (3,5,6 & 7 L/min.) • Compact
- Two Blood temps (37 & 38 °C) • Dual injectile temps (0 & 20 °C)

Optional Accessories:

- 1101 Baxter/Edwards Cable . . . Call for Pricing
- 1103 HP Merlin Cable . . . Call for Pricing
- 1106 Marquette Cable . . . Call for Pricing
- Other Cables Needed? . . . Call for Pricing

K. Universal Banana-to-Snap/ECG Adapters BC20-17024 . . . \$270

- Set of 10 Adapters • Accepts 3 & 4 mm ECG Leads

L. Banana-to-Snap/ECG Adapters BC20-17025 . . . \$60

- Set of 10 Adapters • Accepts only 3 mm ECG Leads

BC Biomedical Defibrillator Analyzer Series

DA-2006 \$2215

A defibrillator analyzer developed for testing all external defibrillators. The unit may operate as a powerful stand alone device or may be incorporated into an automated PC-based and remotely controlled device. Includes: user manual, internal paddle adapters, protective plates and battery eliminator.

A. DA-2006P \$4115

A precision instrument for testing defibrillators and external (transcutaneous) pacemakers. The built-in test procedures and extensive resistance loads for pacer testing make the DA-2006P a versatile test instrument and solid value. Includes: user manual, internal paddle adapters, protective plates and battery eliminator.

Optional Accessories:

- BC20-00427 Plastic Protective Plates (Set Included). \$22
- BC20-00432 Internal Paddle Adapters (Set Included). \$43
- BC20-41341 Communication Cable \$95
- BC20-41339 Communication Cable Adapter \$115
- BC20-30108 Soft Carrying Case \$100

B. DA-2006-VL \$2150

DA-2006-VL, works in conjunction with our DA-2006 Series Defibrillator Analyzers, providing Variable Loads used when testing Defibrillators to assure the proper electrical current is delivered to the heart, per IEC 60601-2-4 and AAMI DF80 standards.

Flip for more info on this series - Pages 15-20

Defib & Pace Adapters (for DA-2006 & DA-2006P)

C. BC20-00420 PhysioControl - Defib/Pace \$135

BC20-00421 Marquette - Defib/Pace \$280

BC20-00423 Cable, Defib/Pacer Zoll \$135

BC20-00426 Cable, Defib/Pacer HP/Agilent (Old Style barrel connector) \$125

BC20-00433 Cable, Defib/Pacer Test Philips (New Style) \$135

BC20-00434 Cable, Defib/Pacer Test Cardiac Science \$135

D. DA-CS-06 \$5000

A PC based defibrillator analyzer test system for users who wish to verify the calibration of their analyzers.

Our unique DA-CS-06 Defibrillator Analyzer Calibration Standard system is available to qualified customers that have a need for a defibrillator output energy standard to be used in the calibration of their analyzers, regardless of manufacturer or model. The DA-CS-06 was originally developed to be used in the calibration of our own DA-2006 and DA-2006P analyzers.

E. PMT-2000 External Pacer Tester & Analyzer w/Case. Call

Evaluating and testing all Atrial/Ventricular Pacemakers including Transthoracic Pacers. Does not adequate to test the Medtronic 5348 and 5388 Pacers

F. BC Biomedical ESU-2000A ESU Analyzer with Kit .. \$2425

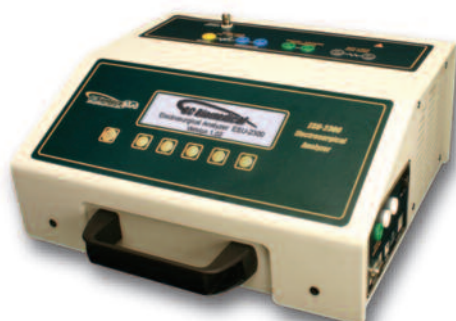
Optional Accessories:

- G. BC20-00120 Replacement Accessory Kit. \$135
- BC20-30108 Soft Carrying Case. \$100





H



H. BC Biomedical ESU-2300 ESU Analyzer with Kit . . . \$4320

- True RMS Readings Using DFA® Technology
- Performs Output, RF Leakage and CQM tests
- 15 Selectable Loads from 50 to 750 ohms
- Built-In RF Current Transformer • Crest Factor
- External Load Resistor Capability

Replacement and Optional Accessories:

- BC20-00125 Replacement Accessory Kit \$425
- BC20-21105 Universal Power Supply (Power cord not included see page HH) \$70
- BC20-41341 Communication Cable (DB9F to DB9M) \$95
- BC20-41352 Communication Cable (USB) \$26

Flip for more info on this series - Pages 29-30

I



I. BC Biomedical ESU-2050 ESU Analyzer \$4835

- True RMS Readings Using DFA® Technology
- mV, mV Peak, mA, Crest Factor and Wattage Displays
- Waveform Capture, Storage, Display and Download

BC Biomedical ESU-2050P ESU Analyzer \$5250

- Same As ESU-2050 Plus Pulse Mode

Replacement Accessories:

- BC20-21104 Universal Power Supply \$70
- BC20-41341 Comm. Cable (RS232) \$95
- BC20-41352 Comm. Cable (USB) \$26
- BC20-00232 Cable, CT (3' BNC to BNC) \$55
- BC20-00126 Accessory Kit \$425

Flip for more info on this series - Pages 31-32

Optional ESU-2050 Series Accessories

J. Pearson CT (for ESU-2050 Only)

- BC20-00230 4100 Pearson CT 1:1 \$550
- BC20-00231 411 Pearson CT 0.1:1 \$550
- CT Calibration \$115

J



K



K. CQM (for ESU-2050 Only)

CQM-2000 (REM/ARM/CQM Test Module) \$305

L. Vishay-Dale NH-250 Precision Power Resistors & Adapters

- 250 W • 1% Tolerance Non-Inductive
- BC20-00200 5 Ω \$125 BC20-00211 3000 Ω . \$125
- BC20-00201 10 Ω \$125 BC20-00212 4000 Ω . \$125
- BC20-00202 20 Ω \$125 BC20-00213 5000 Ω . \$125
- BC20-00203 30 Ω \$125 BC20-00214 1 Ω(50W) . \$25
- BC20-00204 50 Ω \$125 BC20-00215 125 Ω . \$200
- BC20-00205 100 Ω \$125 BC20-00216 150 Ω . \$200
- BC20-00206 200 Ω \$125 BC20-00217 400 Ω . \$200
- BC20-00207 300 Ω \$125 BC20-00218 800 Ω . \$200
- BC20-00208 500 Ω \$125 BC20-00219 1500 Ω . \$200
- BC20-00209 1000 Ω \$125 BC20-00220 10 Ω(50W) \$25
- BC20-00210 2000 Ω \$125
- BC20-00240 Power Resistor Banana Jack Adapter Set (2) . . \$22
- Calibration for each resistor \$20

Resistor Sets

- BC20-00251 Valleylab Force2 Performance Check Set (100 & 300 Ω) \$225
- BC20-00252 Valleylab Force2 Calibration Set (1, 50, 100, 200, 300, 1000, 3000, 4000 Ω) \$800
- BC20-00253 Valleylab ForceFX™ Performance Check Set (100, 200, 300, 500 Ω) \$450
- BC20-00254 Valleylab ForceFX™ Calibration Set (10, 20, 100, 200, 300, 500, 1000, 2000, 3000 Ω) \$1000
- BC20-00255 ForceTriad™ Performance Check Set (100, 300, 500 Ω) \$335
- BC20-00256 ForceTriad™ Calibration Set (5, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 5000 Ω) \$1350
- BC20-00257 Valleylab ForceTriad™ (special debug mode) (20, 100, 200, 300, 1000, 5000 Ω) \$675
- BC20-00258 Complete Set for Valleylab Generators \$1850
- Calibration for each resistor \$20

L



(Shown w/Optional Adapters)

- A. BC Biomedical ESU-2400H ESU Analyzer with Kit . . . \$11575**
The ESU-2400H represents a totally new standard in full featured electrosurgery analyzers, with unprecedented measurement analysis and enhanced pulsed waveform compatibility.

BC Biomedical ESU-2400 ESU Analyzer with Kit \$9575
The ESU-2400 offers all of the measurement of the ESU-2050P with built in loads and test automation.

- True RMS Readings Using DFA® Technology
- Performs Output, RF Leakage, CQM, and Power Load Curve Tests
- Autosequences Capability
- External Load Resistor Capability
- Calibration Level Accuracy
- 1 to 6400 ohms in 1 ohm increments

Flip for more info on this series - Pages 25-28

- B. BC Biomedical TRL-2420 TISSUE RESPONSE LOAD . . . \$510**
The TRL-2420 is an accessory to the BC Biomedical ESU-2400 that is used to simulate the effect of changing tissue impedance during electrosurgery. The TRL-2420 contains two incandescent bulbs that are silicone coated for safety. As RF energy from the ESU generator (DUT) is applied to the bulbs, the impedance of the bulb changes, simulating the impedance change of tissue.

Some RF generators have special output modes that detect the change of tissue impedance and automatically turn off the RF output when the change in impedance is detected. The ESU-2400 measures the current at the time when the RF output is turned off.

Replacement Accessories:

- C. • BC20-00130** Accessory Kit **\$300**
• **BC20-21107** 100-240 V Universal Power Supply **\$130**

- D. • BC20-00131** ForceTriad™ PM Kit **\$450**

Contains everything you need to perform the newly revised ForceTriad™ PM procedure:

- External 200 Ohm load and REM cable for Cross Coupling Tests
- Footswitch Adapter for UFP Port Tests
- Bipolar Cable for Autobipolar Tests
- Convenient Carrying Case

The latest ESU-2400 update includes an Autosequence for running the new PM procedure. The Autosequences uses the accessory kit to guide the operator through more than 100 steps that are in the new PM test procedure.

- **BC20-41360** Cable, Communication USB Null Modem **\$130**
- **BC20-41361** Cable, Communication USB Null Modem (ESU-2400) **\$140**
- E. • BC20-03004** Foot Switch Simulator, triggers Cut/Coag/ Bipolar on Covidien Force FX™/ForceTriad™ . . **\$410**

BC Biomedical Foot Switch Cable for ESU-2400

- **BC20-03000** Unterminated Foot Switch Cable . . . **\$215**
- **BC20-03001** Force FX™ Foot Switch Cable **\$410**
- **BC20-03002** Conmed Foot Switch Cable **\$410**
- **BC20-03003** Covidien ForceTriad™ Foot Switch Cable **\$410**

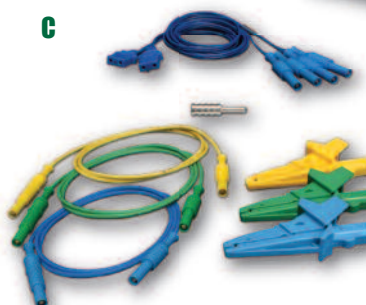
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BC Biomedical NIBP-1000 Simulator Series

The NIBP-1000 Series is a new Family of high quality, low cost, high function Microprocessor-based NIBP Simulators. They were designed to meet the demand for a small, easy-to-use unit with a multitude of features to fit your exact needs. All NIBP-1000's come with a universal AC adapter

F. NIBP-1010 (NIBP Only) \$1195 **CE**

- Full Range Manometer • Flash Programmable
- Back Light
- Adult, Neonatal and Hypertensive modes
- Full Graphical Display • RS232
- SpO₂ Ready - Compatible w/**MSP-2100** Module (Page 20)
- Includes One Free Adapter of Your Choice (If none specified, **BC20-40716** will be sent)

Optional Features:

- **-P** Peak Pressure Detect \$100
- **-BP** Peak Detect & Battery (Built-in Rechargeable) \$425

NIBP-1010KIT (NIBP only) \$1795

Includes NIBP-1010-BP, Soft Carrying Case & Five Adapters

G. NIBP-1020 (NIBP, ECG Pace & Resp) \$1395 **CE**

- Has all of the NIBP-1010 features plus:
- Pace • Respiration
 - ECG - NSR • ECG - Test waveforms • Back Light
 - Includes One Free Adapter of Your Choice (If none specified, **BC20-40716** will be sent)

Optional Features:

- **-PA** Peak Pressure Detect & Alarm \$100
- **-BPA** Peak Detect, Alarm & Battery (Built-in Rechargeable) \$425

NIBP-1020KIT (NIBP, ECG Pace & Resp) \$1995

Includes NIBP-1020-BPA, Soft Carrying Case & Five Adapters

NIBP-1030 \$1995 **CE**

- Has all of the NIBP-1020 features plus:
- IBP • Temp
 - Arrhythmia • Leak Detect • Back Light
 - Includes One Free Adapter of Your Choice

(If none specified, **BC20-40716** will be sent)

Optional Feature:

- **-B** Built-in Rechargeable Battery \$400

NIBP-1030KIT \$2495

Includes NIBP-1030-B, Soft Carrying Case, & Five Adapters

H. NIBP-1030-BE \$2495

Add Extended Patient Lead Connectors

NIBP-1030KIT-E \$2595

Includes NIBP-1030-BE, Soft Carrying Case, & Five Adapters

I. NIBP-1040KIT-E \$3495 **CE**

Includes NIBP-1040-BE with ECG, Arrhy, IBP, Pace, Temp & Resp, Performance Waveforms, CO & FM plus ext leads, and Soft Carrying Case, & Five Adapters

Optional Accessories for NIBP-1000 Series:

- **BC20-30111** Soft Carrying Case \$50
- **BC20-41337** RS232 Communication Cable \$115
- **BC20-41361** RS232 Communication Cable, USB(A)M to Mini DIN Male \$130
- **J. BC20-40714** DINAMAP/Critikon Adapter \$40
- **K. BC20-40715** Quick Disconnect Adapter \$40
- **L. BC20-40716** Luer Adapter \$40
- **M. BC20-40717** Marquette Adapter \$40
- **N. BC20-40608** Bulb Adapter \$40
- **BC20-41339** USB to RS232 Adapter \$115

• Invasive Blood Pressure Cables can be found on page EE

Flip for more info on this series - Pages 21-24

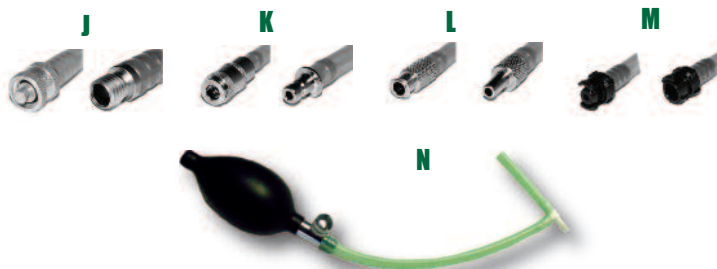
NIBP Adapter Kit BC20-40605 \$85

Connector kit for NIBP testers. Save time and money by buying this kit. Includes 11 connectors, pictured and identified on page DD, letter C.



NIBP-1040-BE With optional Cardiac output

Sample Adapter



BC Biomedical FingerSims™

Provides SpO₂ outputs of 80, 90 & 97%. Simply squeeze on the FingerSims™ to generate a "pulse" or include a calibrated pulse rate by adding the SPO-2000 or the MSP-2100.

A. Starter Kit FS-1000-SK (includes: 3 FingerSims™: 80, 90 & 97%, FingerSims™ Holder, Carrying Case & User Manual). \$325

B. Replacement Set FS-1000-RS (80, 90 & 97% FingerSims™ only) \$275

Flip for more info on this product - Pages 43-44

C. BC Biomedical SPO-2000 Pulse Oximeter Module . . \$740

- 30, 60, 90, 120, 150 & 180 BPM Pulse Rates
- Requires BC Biomedical FingerSim™ to provide SpO₂ outputs of 80, 90 & 97%
- AC Adapter • Compact & cost-effective
- Maintenance-free

Optional Accessory:

- **BC20-40110** Hard Carrying Case for SPO-2000, FingerSims™ & Accessories. \$87

Flip for more info on this product - Pages 43

D. BC Biomedical MSP-2100 Pulse Oximeter Module

- Requires BC Biomedical FingerSims™ and one of the following simulators: PS-2100, PS-2200 or NIBP-1000 to provide SpO₂ outputs of 80, 90 & 97%
- Powered by Aux port

MSP-2100 \$415

Flip for more info on this product - Pages 43

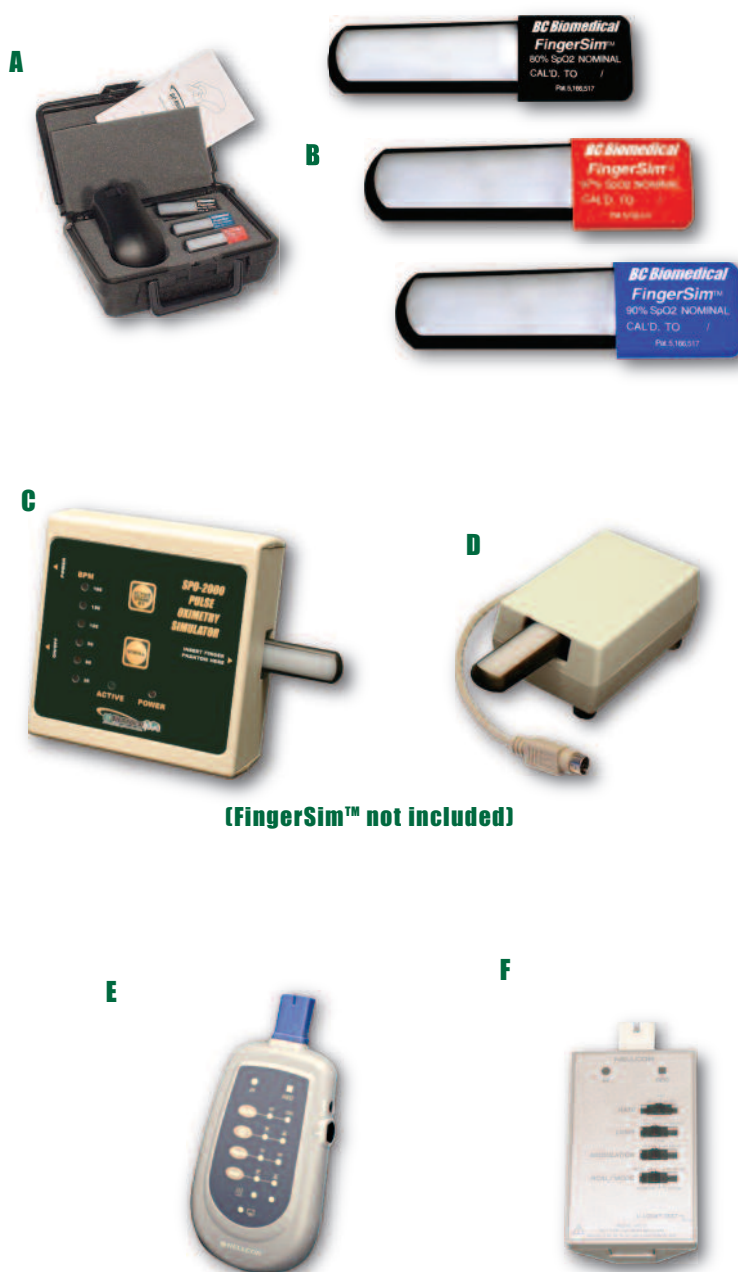
E. Nellcor SRC-MAX Pocket Tester Series

The SRC-MAX is intended for qualified technicians to functionally test Nellcor OXIMAX technology-based pulse oximeters and OEM OXIMAX technology-based monitors.

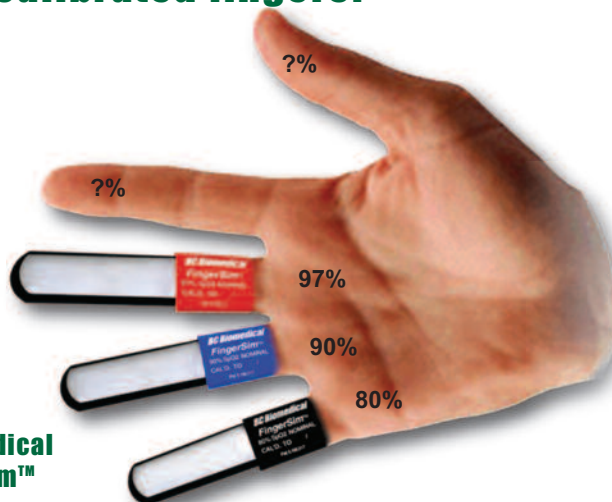
SRC-MAX (Basic Model) \$650

F. Nellcor SRC-2 Pocket Tester \$650

Quickly and conveniently tests most of the Nellcor oximeters.



Wouldn't it be nice to have calibrated fingers?



**BC Biomedical
FingerSim™**

G



BC Biomedical IPA-1000 System

The IPA-1000 Infusion Pump Analyzer System is a Microprocessor based system that tests flow rates.

BC10-03103 Includes IPA-1000 plus one 3.5 mL Chamber & one Interconnect cable. **\$1695**

BC10-03104 Includes IPA-1000 plus one 35 mL Chamber & one Interconnect cable. **\$1695**

BC10-03105 Includes IPA-1000 plus two 3.5 mL Chambers & two Interconnect cables **\$2055**

BC10-03106 Includes IPA-1000 plus two 35 mL Chambers & two Interconnect cables **\$2055**

G. BC10-03107 Includes IPA-1000 plus one 3.5 mL Chamber, one 35 mL Chamber & two Interconnect cables . . . **\$2055**

Individual Components:

- **IPA-1000** Infusion Pump Analyzer Display **\$1265**
- **MC3.5-1000** 3.5 mL Chamber **\$460**
- **MC35-1000** 35 mL Chamber **\$460**

Optional Accessories:

- **BC20-30109** Soft Carrying Case **\$120**
- **BC20-40607** IPA-1000 Interconnect Cable **\$35**
- **BC20-21110** Universal Battery Eliminator **\$53**

Flip for more info on this series - Pages 45-46

H



H. Infusion Pump Testing Kit BC20-40606-C **\$350**

This test kit contains the necessary components to manually perform the most basic Infusion Pump testing. Includes:

- 500 mL graduated cylinder
- 60 PSI pressure meter for occlusion testing
- Digital stopwatch/timer

I. Extech 475040 Digital Force Gauge **\$400**

Measures push/pull to 176 oz/5000 g

J. Chatillon Pull Scale (IC-1001) **\$245**

Measures push/pull to 100 lb x 1 lb

- Easy to Use
- Japanned finish, plated hook and loop
- Precision Steel Springs individually calibrated with certified weights
- Heavy Duty Construction
- Large Avoirdupois Readings
- Accuracy ± 1 Graduation
- Metric and Pound Equivalents



**DON'T FORGET
A CARRYING
CASE FOR YOUR
EQUIPMENT**



A. BC Biomedical USP-100A Digital Ultrasound Wattmeter.. \$2130

A compact, digital and affordable way to test both 1 & 3 MHz therapy ultrasounds. Great size for field service.

- 0.1 to 30.0 Watt range, $\pm 5\%$ accuracy
- 1 to 10 MHz Frequency response
- 3" Max transducer diameter
- Built-in transducer holder
- Degassed Water Testing medium
- Eight AA Batteries or 120V power
- Size / Weight: 8"x8"x8.75" / 7 lbs
- RS232 Port



CE

B. BC Biomedical USP-50SP Digital Ultrasound Wattmeter . \$2495

The USP-50SP, is designed to measure the ultrasound power output of diagnostic or therapeutic transducers up to 30 Watts. The water tank requires only one pint of de-gassed distilled water. If de-gassed water is not available, use distilled water. The principle of measurement is the radiant force method.

C. BC Biomedical USP-30 Ultrasound Wattmeter \$1595

Simple yet accurate. Uses a unique "balance beam" apparatus. Turn dial to balance indicator, take a dial reading and multiply by the calibration factor on the USP-30 to calculate Watts.

- Comes with a removable carrying lid
- 1 & 3 MHz Response
- Built-in transducer holder

← Flip for more info on this series - Pages 53-54 →

D. UMA UMR-3D Digital Ultrasound Wattmeter \$3025

From UMA -The people who developed the original soft membrane/water-coupled ultrasound wattmeter. Housed in a rugged metal case.

- 1 & 3 MHz Response
- Built-in transducer holder
- Sealed water well
- $\pm 3\%$ Accuracy
- Digital readout

Optional Accessories:

- RS232 Port & Software (captures data on your PC). \$200

E. UW6 Ultrasound Wattmeter..... \$3450

The UW 6 Ultrasound Wattmeter is compact, simple to use, portable and ruggedly built. It can be powered by a 9 Volt alkaline battery or by using the AC adapter supplied with the unit. The unit features an auto zero function to help speed up operations. A calibration check weight is provided with the unit making it easy to verify calibration in the field.

- Measurement range 0.1 to 30 Watts
- Input Power Level 0 to 30 W
- Input Frequency 0.5 to 10 MHz
- Resolution 0.1 W
- Dimensions 9" wide x 14 1/2" deep
- Height 7 1/2" (10 3/4" with Clamp Post)



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Educational Assistance Program

BC Group has designed a program to assist schools with Biomedical Training Courses to obtain the latest **BC Biomedical Test Equipment** at a discounted price. A discount will be granted to qualified educational institutions on orders for **BC Biomedical Products**

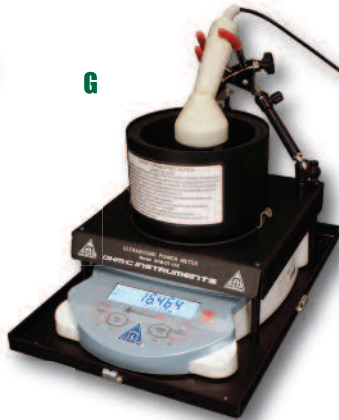
(when the products are used for instructional purposes).

For more information, contact our St. Charles Sales office via email sales@bcgroupintl.com or phone 888-223-6763

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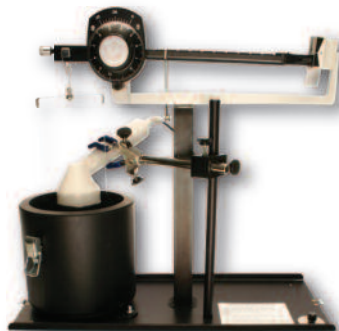
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F. UPM-DT-1000PA New! **\$4830**

Electronic ULTRASOUND POWER METER. Resolution 1 mW (Highest resolution). Fastest Response (Under 3 seconds). Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Digital display, RS-232 interface. Carrying case. This high resolution and fast response make the UPM-DT-1000PA ideal for R&D and manufacturing.

It features a high contrast alphanumeric LCD display. Membrane "touch buttons" enable quick setup, selection of units for the power reading (grams or watts "custom mode"), and printer output control.

G. UPM-DT-1AV **\$4465**

Electronic ULTRASOUND POWER METER. Resolution 2 mW or 1.5 mW in grams mode. Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Digital display, RS-232 interface. Carrying case.

It features a high contrast alphanumeric LCD display. Membrane "touch buttons" enable quick setup, selection of units for the power reading (grams or watts "custom mode"), and printer output control.

H. UPM-DT-10AV **\$3000**

Electronic ULTRASOUND POWER METER. Resolution 20 mW or 15 mW in grams mode. Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Digital display, RS-232 interface. Carrying case.

It features a high contrast alphanumeric LCD display. Membrane "touch buttons" enable quick setup, selection of units for the power reading (grams or watts "custom mode"), and printer output control.

I. UPM-DT-100AV **\$2130**

Electronic ULTRASOUND POWER METER. Resolution 200 mW or 150 mW in grams mode. Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Digital display, RS-232 interface. Carrying case.

It features a high contrast alphanumeric LCD display. Membrane "touch buttons" enable quick setup, selection of units for the power reading (grams or watts "custom mode"), and printer output control.

J. UPM-DT-50SP **\$2495**

Electronic ULTRASOUND POWER METER. Resolution 50 mW. Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Digital display. Optional USB or RS-232 interface. Includes molded polyethylene case.

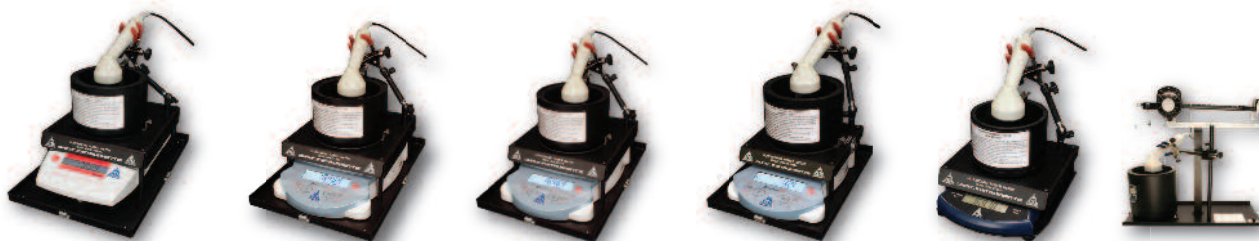
It has a smaller footprint and is highly portable. Making for quick easy set up.

K. UPM-30 **\$1595**

Mechanical ULTRASOUND POWER METER. Resolution 150 mW. Range 0 to 30 Watts at a frequency of 0.5 to 10 MHz. Carrying case. Mechanical base manual zero.

It consists of a precision mechanical balance, which measures from 0.01 to 10.00 grams, a conical target suspended on a hanger, a water tank, a transducer support rod with clamp, and a carrying case

Selection Guide For Ohmic's Ultrasound Power Meters



	UPM DT-1000PA	UPM DT-1AV	UPM DT-10AV	UPM-DT-100AV	UPM-DT-50SP	UPM-30
Power Range	0- 30 Watts	0- 30 Watts	0- 30 Watts	0- 30 Watts	0- 30 Watts	0- 30 Watts
Transducer Range	0.5-10MHz	0.5-10MHz	0.5-10MHz	0.5-10MHz	0.5-10MHz	0.5-10MHz
Resolution	1 mW (1.5 mW in grams)	2 mW (1.5 mW in grams)	20 mW (15 mW in grams)	200 mW (150 mW in grams)	50 mW	±150mW (±0.01g)
Display Sensitivity	0.001 Watt	0.002 Watt	0.02 Watt	0.2 Watt	0.05 Watt	NA
Accuracy	± 3% @10 Watts, 25°C	± 3% @10 Watts, 25°C	± 3% @10 Watts, 25°C	± 3% @10 Watts, 25°C	± 3% @10 Watts, 25°C	± 5%
Zeroing Method	Push to Zero	Push to Zero	Push to Zero	Push to Zero	Push to Zero	Vernier Dial
Stabilization	<3.0 Second Integration	≤3.0 Second Integration	≤3.0 Second Integration	≤3.0 Second Integration	≤3.0 Second Integration	NA
Cone Target Size	3.25" diameter x 1.125" high	3.25" diameter x 1.125" high	3.25" diameter x 1.125" high	3.25" diameter x 1.125" high	3.25" diameter x 1.125" high	3.25" diameter x 1.125" high
Test Media	Degassed Water	Degassed Water	Degassed Water	Degassed Water	Degassed Water	Degassed Water
Max Transducer Size	4 1/2" Diameter	4 1/2" Diameter	4 1/2" Diameter	4 1/2" Diameter	4" Diameter	4 1/2" Diameter
Computer Interface	RS-232, 600-19200 Baud *USB Optional	RS-232, 600-19200 Baud *USB Optional	RS-232, 600-19200 Baud *USB Optional	RS-232, 600-19200 Baud *USB Optional	RS-232, 600-19200 Baud *USB Optional	Does not apply
Power	120 VAC/12 VAC 500 mA adapter 6 Ft. cord	120 VAC/12 VAC 500 mA adapter 6 Ft. cord	120 VAC/12 VAC 500 mA adapter 6 Ft. cord	120 VAC/12 VAC 500 mA adapter 6 Ft. cord. Or 4 AA,s	120 VAC/12 VAC 500 mA adapter 6 Ft. cord. Or 4 AA,s	Not required
EMI Rating	CE, CSA, UL	CE, CSA, UL	CE, CSA, UL	CE, CSA, UL	CE, ICES	NA
Electrical Safety	CE, CSA	CE, CSA	CE, CSA	CE, CSA	CE, ICES	NA
Size	11"H x 15" L x 10"W	11"H x 15" L x 10"W	11"H x 15" L x 10"W	8"H x 12" L x 8.75"W	7"H x 10.5" L x 8.5"W * 6"H x 16.75" L x 12"W	19"H x 17" L x 7"W
Weight	16 Lbs Net	16 Lbs Net	16 Lbs Net	11 Lbs Net	8.5 Lbs * 9.75 Lbs Net	18 Lbs Net
Carrying Case	Black Anodized Aluminum	Black Anodized Aluminum	Black Anodized Aluminum	Black Anodized Aluminum	Molded polyethylene	Black Anodized Aluminum



DPM 230X X X X X

Options
DC = DC (Direct Current) Analog Output
FC = Female Quick-Disconnect
MC = Male Quick-Disconnect
Sxx = Special Coupler Configuration, see table

Temperature Sensor Option

N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure 2 Range (Left Port)

N = Not Applicable
100 = Max 100 PSI (Default Quick-Disconnect)
75 = Max 75 PSI (Default Quick-Disconnect)
10 = Max 10 PSI (Default Male Luer Lock)
5 = Max 5 PSI (Default Male Luer Lock)
.3 = Max 0.3 PSI (Default Male Luer Lock)

Pressure 1 Range (Right Port)

100 = Max 100 PSI (Default Quick-Disconnect)
75 = Max 75 PSI (Default Quick-Disconnect)
10 = Max 10 PSI (Default Male Luer Lock)
5 = Max 5 PSI (Default Male Luer Lock)
.3 = Max 0.3 PSI (Default Male Luer Lock)

Model

2301 = Basic Model
2302 = Adds RS-232

Note: The FC or MC options are not applicable when the "Sxx" option is specified.

DPM 235X XX N XX XX

Options
DC = DC (Direct Current) Analog Output
FC = Female Coupler CPC Connectors
MC = Male Insert CPC Connectors

Temperature Sensor
N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Sensor 2
N = Not Applicable

Pressure Sensor 1
N = Not Applicable
100 = Max 100 PSI (CPC Connector)
75 = Max 75 PSI (CPC Connector)
10 = Max 10 PSI (Luer Connector)
5 = Max 5 PSI (Luer Connector)
.3 = Max .3 PSI (Luer Connector)

2350 Series

2351 = Basic Model (Includes Min/Max)
2352 = RS232 Add

Digital Pressure Meter

BC Biomedical DPM-2300 Series

The DPM-2300 Series is a Microprocessor based High Precision, High Resolution Digital Pressure Meter family. These meters measure both gas and liquid pressures and provide multiple engineering unit displays for the results. The unit (except the 2350 Series) may have one or two pressure sensors and an optional temperature sensor input to measure pressure and temperature all in one meter.

A. DPM-2301 \$840
(High Precision Pressure/Vacuum Meter w/enhanced res.)

- MAX and MIN Pressure Value Capture and Storage
- 0.05% FS Pressure Accuracy

Optional Features:

- -DC DC Output \$120
- **Second Pressure Sensor** \$180
- **Temp Option (YSI 700 or RTD)** \$120

DPM-2302 \$925
(adds RS232 Serial Communications)

- Same features and options as the DPM-2301 with the RS232
- 0.05% FS Pressure Accuracy

Optional Features & Accessories:

- -DC DC Output \$120
- **Second Pressure Sensor** \$180
- **Temp Option (YSI 700 or RTD)** \$120
- **BC20-21110 Universal Battery Eliminator** \$53
- **BC20-41361 Communication RS232, USB(A)M to Mini DIN Male** \$125
- **BC20-41337 RS232 Communication Cable** \$110
- **BC20-41339 USB to RS232 Adapter** \$110

B. DPM-2351 \$840
(High Precision Differential Pressure/Vacuum Meter w/enhanced res.)

- MAX and MIN Pressure Value Capture and Storage
- 0.05% FS Pressure Accuracy

Optional Features:

- -DC DC Output \$120
- **Temp Option (YSI 700 or RTD)** \$120

DPM-2352 \$925
(adds RS232 Serial Communications)

- Same features and options as the DPM-2351 with the RS232
- 0.05% FS Pressure Accuracy

Optional Features:

- -DC DC Output \$120
- **Temp Option (YSI 700 or RTD)** \$120

DPM-235175NNFC \$840

DPM-23017510NFC \$970
(for ventilator and anesthesia service applications)

Flip for more info on this product - Pages 37-38



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VISIT WWW.BCGROUPINTL.COM



A. BC Biomedical DPM-2200 Series

The DPM-2200 Series is a Microprocessor-based Digital Pressure Meter Family. They measure both gas and liquid pressures and provide 13 engineering unit displays for the results. The unit (except the 2250 Series) can have one or two pressure sensors and an optional temperature sensor input to measure pressure and temperature all in one meter.

DPM-2201 (Pressure, Vacuum) \$785

- One Independent Pressure Range
- Choose Your Pressure Range: 0.3, 5, 10, 75 or 100 PSI

DPM-2202 (Min and Max, RS232) \$860

Optional Features:

- **-DC** DC Output \$120
- **-HF** High Frequency Output \$230
- **Second Pressure Sensor** \$180
- **Temp Option** (YSI 700 or RTD) \$120

DPM-2251 (Differential Pressure, Vacuum) \$785

- Choose Your Pressure Range: .3, 5, 10, 75 or 100 PSI

DPM-2252 (Min and Max, RS232) \$860

Optional Features:

- **-DC** DC Output \$120
- **-HF** High Frequency Output \$230
- **Temp Option** (YSI 700 or RTD) \$120

← Flip for more info on this product - Pages 39-40 →

Eye Surgery Equipment USERS PLEASE NOTE:

Recommended part number for DPM Pressure Meter when servicing the Eye Surgery Equipment

DPM-220210010NHF \$1220

- 100 PSI-10 PSI-No Temp-HF output

B. BC Biomedical DPM-2000 Series

This Microprocessor based Family of Pressure/Vacuum Meters offers positive and negative pressure and is fully compatible with liquids and gases. The DPM-2001PLUS adds Capture and RS232 capabilities to the DPM-2001 Base Model. While the DPM-2100 adds Temperature to the DPM-2001PLUS Model. All Models allow Selectable Engineering Units, including: PSI, mmHg, InH₂O or CmH₂O.

DPM-2001 (Pressure, Vacuum) \$735

- Pressure to 100 PSI
- Vacuum to -13.50 PSI

DPM-2001PLUS \$840

- Same features and options as the DPM-2001 with the addition of MIN/MAX Capture and RS232

DPM-2100 \$945

- Same features and options as the DPM-2001PLUS with the addition of Temperature capabilities to be used with any YSI 700 probe.

← Flip for more info on this product - Pages 41-42 →

Optional Accessories for BC Biomedical DPM Family

- **BC20-21110** Battery Eliminator - 9VDC \$53
- **BC20-30106** Soft Carrying Case \$45
- **BC20-01006** YSI 700 Temp Probe \$140
- **BC20-21102** RS232 Communications Cable \$95
- **BC20-41337** RS232 Communications Cable \$115
- **BC20-41361** RS232 Communication Cable, USB(A)/M to Mini DIN Male \$140

Universal Manometer Adapter Kit BC20-01005 \$115

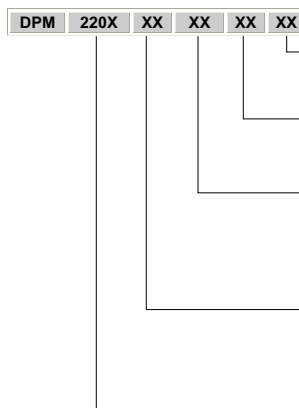
Everything you need to connect a pressure meter, regardless of application, all in one small case.

- 25 different fittings: CPC, luer, pipe, barb, etc.
- Inflation bulb with valve • Tygon tubing & more

A



B



Options

Blank = Not Applicable
DC = DC (Direct Current) Analog Output
HF = High Frequency DC Analog Output

Temperature Sensor Option

N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Range (Sensor 2)

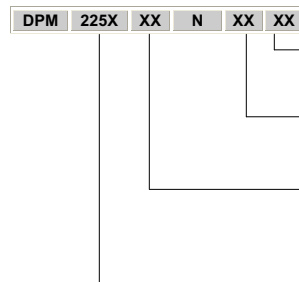
N = Not Applicable
100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Pressure Range (Sensor 1)

100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Model

2201 = Basic Model
2202 = Adds Min/Max and RS-232



Options

Blank = Not Applicable
DC = DC (Direct Current) Analog Output
HF = High Frequency DC Analog Output

Temperature Sensor Option

N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Range

100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Model

2251 = Basic Differential Model
2252 = Adds Min/Max and RS-232

C



C. Meriam M1 Smart Manometers

M100 Digital Manometer: $\pm 0.25\%$ FS

Model	Type	Range	Price
M100-2	DN0028	0 to 28" H ₂ O Differential	\$449
M100-7	DN0138	0 to 138" H ₂ O Differential	\$449
M100-8	DN0416	0 to 416" H ₂ O Differential	\$449
M100-9	DN0832	0 to 832" H ₂ O Differential	\$449
M100-10	DN2000	0 to 2000" H ₂ O Differential	\$449
M100-20	GN0005	0 to 5 PSI Gauge	\$449
M100-11	GN0015	0 to 15 PSI Gauge	\$449
M100-12	GN0030	0 to 30 PSI Gauge	\$449
M100-13	GN0050	0 to 50 PSI Gauge	\$449
M100-5	GN0100	0 to 100 PSI Gauge	\$449
M100-14	AN0775	0 to 775 mmHg Absolute	\$476
M100-4	AN1551	0 to 1551 mmHg Absolute	\$476
M100-22	AN2585	0 to 2585 mmHg Absolute	\$476

M101 Single Function Calibrator $\pm 0.1\%$ FS

Model	Type	Range	Price
M101-2	DN0028	0 to 28" H ₂ O Differential	\$520
M101-7	DN0138	0 to 138" H ₂ O Differential	\$520
M101-8	DN0416	0 to 416" H ₂ O Differential	\$520
M101-9	DN0832	0 to 832" H ₂ O Differential	\$520
M101-10	DN2000	0 to 2000" H ₂ O Differential	\$520
M101-20	GN0005	0 to 5 PSI Gauge	\$520
M101-11	GN0015	0 to 15 PSI Gauge	\$520
M101-12	GN0030	0 to 30 PSI Gauge	\$520
M101-13	GN0050	0 to 50 PSI Gauge	\$520
M101-5	GN0100	0 to 100 PSI Gauge	\$520
M101-14	AN0775	0 to 775 mmHg Absolute	\$549
M101-4	AN1551	0 to 1551 mmHg Absolute	\$549
M101-22	AN2585	0 to 2585 mmHg Absolute	\$549

• NIST Certificate with Data (Z1065) \$90

D. Meriam M2 Smart Manometers

M200LS Lab Standard Smart Manometer: $\pm 0.01\%$ FS

• Prices include NIST Calibration Certificate

Model	Type	Range	Price
M200LS	GI0015	0 to 15.000 PSI Gauge	\$1534
M200LS	GI0030	0 to 30.000 PSI Gauge	\$1534
M200LS	GI0050	0 to 50.000 PSI Gauge	\$1534
M200LS	GI0100	0 to 100.00 PSI Gauge	\$1534
M200LS	GI0300	0 to 300.00 PSI Gauge	\$1534
M200LS	GI0500	0 to 500.00 PSI Gauge	\$1534
M200LS	DN0028	0 to 28.000 in H ₂ O Differential	\$1592
M200LS	DN0200	0 to 200.00 in H ₂ O Differential	\$1476
M200LS	DN2000	0 to 2000.0 in H ₂ O Differential	\$1476
M200LS	AI0017	0 to 900 mmHg Absolute	\$1824
M200LS	AI0038	0 to 2000 mmHg Absolute	\$1824

M200 Smart Manometer: $\pm 0.05\%$ FS

• Prices include NIST Calibration Certificate

Accuracy Adder: $\pm 0.025\%$ FS Base+ \$173

Model	Type	Range	Price
M200	DN0010	0 to 10 in H ₂ O Differential, Non-isolated, ($\pm 0.05\%$ FS only)	\$1384
M200	DN0028	0 to 28 in H ₂ O Differential, Non-isolated	\$1152
M200	DN0200	0 to 200 in H ₂ O Differential, Non-isolated	\$1013
M200	DN0415	0 to 415 in H ₂ O Differential, Non-isolated	\$1013
M200	DN2000	0 to 2000 in H ₂ O Differential, Non-isolated	\$1013

D



A. Meriam M2 Smart Manometers (Continued)

Model	Type	Range	Price
M200	GI0015	0 to 15 PSI Gauge, Isolated	\$1130
M200	GI0030	0 to 30 PSI Gauge, Isolated	\$1130
M200	GI0050	0 to 50 PSI Gauge, Isolated	\$1130
M200	GI0100	0 to 100 PSI Gauge, Isolated	\$1130
M200	GI0300	0 to 300 PSI Gauge, Isolated	\$1130
M200	GI0500	0 to 500 PSI Gauge, Isolated	\$1130
M200	GI1000	0 to 1000 PSI Gauge, Isolated	\$1130
M200	GI3000	0 to 3000 PSI Gauge, Isolated	\$1130
M200	CI0015	-15 to +15 PSI Compound, Isolated	\$1170
M200	CI0030	-15 to +30 PSI Compound, Isolated	\$1170
M200	CI0050	-15 to +50 PSI Compound, Isolated	\$1170
M200	CI0100	-15 to +100 PSI Compound, Isolated	\$1170
M200	CI0300	-15 to +300 PSI Compound, Isolated	\$1170
M200	CI0500	-15 to +500 PSI Compound, Isolated	\$1170
M200	CI1000	-15 to +1000 PSI Compound, Isolated	\$1170
M200	CI3000	-15 to +3000 PSI Compound, Isolated	\$1170
M200	AI0017	0 to 17 PSIA Absolute, Isolated (0-900 mmHg)	\$1130
M200	AI0038	0 to 38 PSIA Absolute, Isolated (0-2000 mmHg)	\$1130
M200	AI0100	0 to 100 PSIA Absolute, Isolated (0-5200 mmHg)	\$1130
M200	AI1000	0 to 1000 PSIA Absolute, Isolated (0-5200 mmHg)	\$1130

B. Meriam MG-F16BN Digital Pressure Gauges

Model	Type	Accuracy	Range	Price
MG-F16BN	9P206-1	±0.25%	-30 inHg to 15 PSIG	\$446
MG-F16BN	9P206-3	±0.25%	-30 inHg to 100 PSIG	\$446
MG-F16BN	9P206-5	±0.25%	-30 inHg to 200 PSIG	\$446
MG-F16BN	9P206-7	±0.25%	0 to 5 PSIG	\$446
MG-F16BN	9P206-8	±0.1%	0 to 5 PSIG	\$546
MG-F16BN	9P206-9	±0.25%	0 to 15 PSIG	\$446
MG-F16BN	9P206-10	±0.1%	0 to 15 PSIG	\$546
MG-F16BN	9P206-11	±0.25%	0 to 60 PSIG	\$446
MG-F16BN	9P206-12	±0.1%	0 to 60 PSIG	\$546
MG-F16BN	9P206-13	±0.25%	0 to 100 PSIG	\$446
MG-F16BN	9P206-14	±0.1%	0 to 100 PSIG	\$546
MG-F16BN	9P206-15	±0.25%	0 to 200 PSIG	\$446
MG-F16BN	9P206-16	±0.1%	0 to 200 PSIG	\$546
MG-F16BN	9P206-17	±0.25%	0 to 300 PSIG	\$446
MG-F16BN	9P206-18	±0.1%	0 to 300 PSIG	\$546
MG-F16BN	9P206-19	±0.25%	0 to 500 PSIG	\$446
MG-F16BN	9P206-20	±0.1%	0 to 500 PSIG	\$546
MG-F16BN	9P206-21	±0.25%	0 to 1000 PSIG	\$446
MG-F16BN	9P206-22	±0.1%	0 to 1000 PSIG	\$546
MG-F16BN	9P206-23	±0.25%	0 to 2000 PSIG	\$446
MG-F16BN	9P206-24	±0.1%	0 to 2000 PSIG	\$546
MG-F16BN	9P206-25	±0.25%	0 to 3000 PSIG	\$446
MG-F16BN	9P206-26	±0.1%	0 to 3000 PSIG	\$546
MG-F16BN	9P206-27	±0.25%	0 to 5000 PSIG	\$446
MG-F16BN	9P206-28	±0.1%	0 to 5000 PSIG	\$546

• NIST Certificate with Data (Z1065) \$220

A



B



BC Group Asset Management



We can even develop, implement and manage a calibration exchange program for your organization. The flexibility of our system guarantees that we can meet your needs and if you aren't sure what you need our knowledgeable staff will guide you in choosing a system that will work for you.

C



D



E



F



C. Bacharach N₂O Trace Gas Analyzer 3015-4790 . . . \$4295

Bacharach's TGA (Trace Gas Analyzer) is an advanced N₂O Analyzer. It uses a highly accurate non-dispersive IR cell providing superior stability and repeatability, with a measurement resolution of 1ppm-full range. It provides measurements in either ppm, real time or elapsed time TWA and it has a leak check mode with audible and visual alarms. It has an internal sampling pump and the self contained purge-air bag provides a constant zero enabling the Analyzer to be used in contaminated environments. The TGA has data-logging capabilities to store up to two hundred tests which can be downloaded to a printer or to a computer.

- Continuous data-logging stores up to two hundred readings
- Time weighted average and elapsed time weighted average
- Real time is also a measurement mode
- Built-in purge cycle using a bladder bag provides a constant zero
- Displays ppm/TWA simultaneously
- Internal pump for remote sampling w/low flow indicator
- Built-in user-activated alarm
- 8 - 12 hours of operation on a full charge
- Rapid detection of changing N₂O Levels
- Maintenance-free infrared N₂O sensor
- Two Year Warranty

Optional and Replacement Accessories:

- 3015-3420 Inlet Filters \$29
- BC20-30114 TGA Hard Carrying Case \$395

CE

D. Viasensor G200-00N Nitrous Oxide monitor \$3850

Nitrous oxide monitor 0 to 1,000 ppm N₂O with internal pump.

- Includes: battery charger, sample tube/filters, Soda Lime CO₂ removal kit, operating manual and supplied in a Hard Carry Case.

Viasensor CO₂ Analyzers

CO₂ Analyzer ranges are 0-10,000 ppm, 0-20% and 0-100% and all include internal pumps.

- Accessories Included: Battery Charger - Sample tube - Filters - operating manual.

- E. **G100-00N** CO₂, (0-20%) \$2275
- G100-10N** CO₂, (0-20%) O₂, (0-100%) \$2530
- G100-01N** CO₂, (0-20%) RH Probe 15mm \$3135
- G100-11N** CO₂, (0-20%) O₂, (0-100%)
RH Probe 15mm \$3190
- G110-00N** CO₂, (0-100%) \$2145
- G110-10N** CO₂, (0-100%) O₂, (0-100%) \$2530
- G110-01N** CO₂, (0-100%) RH Probe 15mm \$2850
- G110-11N** CO₂, (0-100%) O₂, (0-100%)
RH Probe 15mm \$3300
- G150-00N** CO₂, (0-10,000 ppm) \$2275
- G150-10N** CO₂, (0-10,000 ppm) O₂, (0-100%) \$2530
- G150-01N** CO₂, (0-10,000 ppm) RH Probe 15mm \$2365
- G150-11N** CO₂, (0-10,000 ppm) O₂, (0-100%)
RH Probe 15mm \$3300

- Accessories

G-TP-5 temperature probe \$99

F. **G-HCASE** Hard case \$160

BC Group Custom Kits

Looking to Standardize on a set of Test Equipment and Tools for your operation? BC Group has the capability to design custom instrument cases and instrument kits as well as manage your entire asset management program.



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BC
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A. Alnor EBT-731 Electronic Balancing Tool \$3165

CE The Alnor EBT 731 Balometer Electronic Balancing Tool features a detachable, multi-purpose digital manometer that can be used with a variety of common test and balance tools, such as pitot, air foil, temperature, relative humidity probes or a 16-point velocity matrix. The EBT 731 will become the tool of choice for contractors and facilities personnel because of its ergonomic design and extremely lightweight.

- Accessories for the Alnor EBT731
 - 800187 Air Flow Probe \$365
 - 800218 Temperature Probe \$280
 - 800219 Temperature/Humidity Probe \$375
 - 801090 16pnt Velocity Matrix \$385
 - 801207 1' x 5' and 3' x 3' hood expansion kit \$495
 - 801206 1' x 4' and 2' x 4' hood expansion kit \$495

HVAC Thermo-Anemometers

B. The Alnor Velometer® AVM410 Thermal Anemometer

Testing device for the HVAC test & balance professional that features a multipurpose digital manometer, capture hood, relative humidity and temperature probe, Airflow probe, pitot probe, static pressure probes or a velocity matrix (optional).

- Alnor AVM410 \$635
- Alnor AVM430 \$980

Extech 407123 Handheld units. Measure velocity & temp.
 \$440

Environmental Sensors Monitoring Equipment

- Z-100 Ethylene Oxide Monitor \$975
- Z-200 Glutaraldehyde Monitor \$975
- C. Z-300 Formaldehyde Monitor \$1175





PLEASE NOTE: Flowmeter/Pressure Gauge Shown is NOT INCLUDED.

E. Ohmic AMM-15 Dew Point Meter \$1050

Verifies dew point of pressurized medical gases per ANSI & NFPA99. Range of -40° to +80°F. Max temp of +140°F. Max pressure of 175 PSI.

F. Brass Fitting Kit BC20-40610 \$199

- 1 Brass Elbow 45° 1/4" MNPT x 1/4" FNPT
- 1 Brass Bushing 3/8" MNPT x 1/4" FNPT
- 1 Brass Tee 3/8" x 3/8" x 3/8" FNPT
- 1 Brass Bushing 3/8" MNPT x 1/8" FNPT 1
- 1 Brass Nipple 3/8" NPT
- 3 Quick Connector 1/4" MNPT
- 1 Brass Elbow 90° 1/4" FNPT x 1/4" FNPT
- 1 Extension Hose - 2' 1/4" MNPT (Both Ends)
- 2 Brass Bushing 3/8" MNPT x 1/4" FNPT
- 2 Quick Connector 1/4" MNPT
- Coupler x Coupler Assy (Two 1/4" MNPT Couplers & one nipple)
- 21 Quick Connectors 1/8" FNPT With Bushing (For Adapters)
- 1 Flexible pipe for O₂ sensor

G. Medical Gas Outlet Fitting Kit BC20-40630 \$433

Contains all of the fittings/adapters needed to test most outlets (Ohmeda®, Diamond, DISS, Puritan-Bennett & Chemtron) for common gases: Air, Oxygen, Nitrous Oxide, Vacuum, Evac and Nitrogen.

Fitting Kit Combo BC20-40530 (Includes B & C) \$632

Gelman Particulate Filters & Accessories

- 1119 Poly Holder for 47 mm filters (50 PSI Max) . . . \$135
- H. 1235 Aluminum Holder for 47 mm filters \$575
- 7245 Petri dishes, 47 mm filter protection (per 100) . . \$65
- I. 51147 Forceps for handling filters \$35
- 66149 PTFE Filters 47 mm x 0.45 micron (pack) . . . \$475
- 66408 47 mm x 0.45 micron filters (pack) \$175

Flowmeters

All prices include Calibration Certificate.

- FR4A65BVBN Key Instruments 1 to 10 SCFM Air . . \$310
- J. FR4A67BVBN Key Instruments 0.5 to 5 SCFM Air . . \$310
- FR4A70BVBN Key Instruments 30 to 300 PM Air . . \$310
- K. B18J201B126 Matheson 260 L w/Valve \$639
- B18J201B127 Matheson 320 L w/Valve \$639

Be sure to check out TSI Mass Flowmeters on Page Y.

***L. Geotech G210-10N Gas Analyzer \$5280**

Measures 0-100% Nitrous Oxide, 0-100% Oxygen and 0-2,000 ppm Carbon Dioxide

- Accessories Included: battery charger, operating manual, supplied in a Hard Carry Case.

***Geotech G210-11N Gas Analyzer \$5720**

Measures 0-100% Nitrous Oxide, 0-100% Oxygen, 0-2,000 ppm Carbon Dioxide and 0-500 ppm Carbon Monoxide

- Accessories Included: battery charger, operating manual, supplied in a Hard Carry Case.

***Requiring BC80-00246 Flow Restrictor \$45**

Geotech CO₂ Analyzers

G110-00N CO₂ (0-100%) \$2145

- Accessories Included: Battery Charger - Sample tube - Filters - operating manual.

M. Medical Gas Hard Carrying Case 221609 \$267

Diced foam. Customize to meet your needs. Usable for any test equipment but this is the ideal size for a medical gas assortment. Dimensions: 21.5"x15.5"x9".



- CE A. Western N₂ Purging Regulator RFS-7P**\$331
- Brass body resists corrosion
 - Easy-to-read 2" pressure gauge
 - Self re-seating pressure relief valve protects against over-pressurization
 - Size / Weight: 7.5"x4.5"x6.5" / 3 Lbs 3 oz

Medical Gas Installation Tools

- CE** These two devices allow medical gas installers to comply with NFPA 99 2002 where it requires that the Nitrogen source of the purge gas shall be monitored and the installer shall be audibly alerted when the source content is low.

- B. LPWD Low Pressure Warning Device**\$345

Designed to monitor pressurized gas and alarm when pressure drops below a user adjustable pressure range 25 to 110 PSI with a 300 PSI Max pressure rating.

- C. S3000-1/4 Low N₂ Pressure Gauge**\$190

A general purpose 0 to 4000 PSI gauge suitable for use with Nitrogen. This gauge will alarm both visually and audibly when pressures fall below 500 PSI (\pm 150 PSI). Gauge has a 2" face and 1/4" MNPT connection.

- Amprobe ULD-300 Ultrasonic Leak Detector**\$340

TIF Halogen Leak Detectors

Carrying Case included with all models.

- TIFXL-1A Single Sensitivity Range**\$151

- TIFRX-1A Dual Sensitivity Range**\$203

- D. TIFXP-1A Seven Sensitivity Settings**\$233

Ansonics Ultrasonic Son-Tector Leak Detector Packages

A preventative maintenance tool, used to rapidly locate and pinpoint leaks and malfunctions in a wide variety of equipment.

- 112 Package**\$995

- E. 123 Package**\$1095

F. Snoop® Liquid Leak Detector

Specially formulated liquid that adheres to vertical surfaces with better and longer bubbling to indicate leaks.

- Pack of Six 2 oz bottles**\$40

- Pack of Five 8 oz bottles**\$45

- One Gallon bottle**\$98

G. Magnum Pro Combo Pneumatic Calibration Pump

- Model# MVP-600**\$589

- Contoured cushion handles
- Oversized check valve for smooth controlled operation
- Mash proof vent valve (No Needle Valve)

H. Meriam Hand Pumps

- B34686 145 PSI Pressure Hand Pump** (for Meriam Smart Manometer DN & GI Models)\$435

- B34700 650 mmHg Vacuum Hand Pump** (for Meriam Smart Manometer AI Models)\$435

I. WIKA Analog Pressure Gauges w/ Calibration Certificate

Model	Range	Accuracy	Size	Price
232.54/30	0 to 0030" Hg	\pm 1.5% FS	2.5"	\$130
232.54/100	0 to 0100 PSI	\pm 1.5% FS	2.5"	\$130
232.54/300	0 to 0300 PSI	\pm 1.5% FS	2.5"	\$130
232.54/30-4"	0 to 0030" Hg	\pm 1.0% FS	4.0"	\$180
232.54/100-4"	0 to 0100 PSI	\pm 1.0% FS	4.0"	\$180
232.54/300-4"	0 to 0300 PSI	\pm 1.0% FS	4.0"	\$180
232.54/1000-4"	0 to 1000 PSI	\pm 1.0% FS	4.0"	\$180
232.54/3000-4"	0 to 3000 PSI	\pm 1.0% FS	4.0"	\$180

- 2.5" gauges 1.5% FS Accuracy
- 4" 1% FS Accuracy

A



B



C



D



E



F



G



H



I



O₂ cleaning available

Call for more ranges

Handheld



Handheld



CE J. TSI Certifier-FA PLUS High Flow Vent Test System\$4300

4080 - Includes Controller Module (Model 4088) and High Flow Module (Model 4081) AC adapter, bacteria filter, pressure tubing and adapters, operator's manual, National Laboratory traceable Certificate of Calibration and soft-sided carrying case.

- Color touch screen graphical user interface
- Graph mode Supports Adult, pediatric, anesthesia, Neonatal & high frequency ventilators
- Bi-directional & unidirectional gas flow capabilities
- Print & data storage - 1 MB of internal storage & 64 MB optional SD flash card
- Volumes & flow in BTPS, BTPD, Actual, Standard or user defined standard
- Calibrations for Air, Oxygen, Air/Oxygen mixture, nitrogen, Nitrous Oxide (low flow module only) & carbon dioxide
- High pressure port – to 150 PSIG
- Rates up to 1500 BPM

Optional Accessories:

- **4082** Low Flow Module \$860
- **4073** Oxygen Sensor Kit: Adds O₂ measurement capability to Certifier FA Test System \$300
- **1303860** Printer Cable \$40
- **1208061** Extra Battery Pack/Charger Kit \$120

K. TSI Certifier-FA Respiratory Vent Test System

Simply the best way to test ventilators, Oxygen concentrators and other respiratory and flow devices. A complete measurement solution for Air, Oxygen and Nitrous Oxide.

4070 High Flow Test System (Includes controller module, high flow module, four AA batteries, filter, pressure tubing and adapters, flow module mounting bracket, screwdriver, manual,

Parameter	Specification
High Flow Air or O ₂	0 to 300 SLPM; ± 2% of reading or ± 0.075 SLPM
High Flow Air/O ₂ Mix	0 to 300 SLPM; ± 4% of reading or ± 0.1 SLPM
Low Flow Air or O ₂	0.01 to 15.00 SLPM; ± 2% of reading or ± 0.010 SLPM
Low Flow N ₂ O	0.01 to 15.00 SLPM; ± 4% of reading or ± 0.025 SLPM
Volume Air or O ₂	0 to 10 L; ± 2% of reading or ± 0.02 SLPM
Volume Air/O ₂ Mix	0 to 10 L; ± 4% of reading or ± 0.02 SLPM
High Pressure	N/A (See DPM -235175NNFC , DPM -23017510NFC Listed Below)
Low Pressure	-25 to 150 cmH ₂ O; ± 0.75% of reading or ± 0.20 cmH ₂ O
Breath Rate	0.5 to 120 BPM (± 5%)
I:Time	0.25 to 60 seconds (± 0.01 sec.) (E:Time Not Displayed)
I:E Ratio	1:100.0 to 100.0:1 (± 5%)
Minute Volume	0 to 99.00 stp L (± 7%)
Barometric Pressure	362 to 1,500 mmHg; ± 8 mmHg
Oxygen	0 to 100%; ± 2% at Calibration Conditions
Portability	Complete Kit Case - 11"x8"x4" / 3 lbs
Power	Four AA - Battery Life 15 to 20 Hours

NIST Traceable Calibration Certificate and soft-sided carrying case)\$2800

Optional Accessories:

- Recommended Digital Pressure Meters for ventilator and anesthesia serviceapplications
- **DPM-235175NNFC** (High precision DPM with 75 PSI Range).....\$840
- **DPM-23017510NFC** (High precision DPM with 75 & 10 PSI Range).....\$990
- **4072** Low Flow Module.....\$830
- **4073** Oxygen Kit: Adds O₂ measurement capability to Certifier FA Test System\$300
- **1319288** TSI Certifier Hard Carrying Case\$200
- **BC20-40700** TSI Certifier Protective Boot & Stand...\$65
- **BC20-40701** Low Flow Filter\$25
- **BC20-40702** High Flow Filter\$25
- **PSR-11-917J** Replacement O₂ Sensor.....\$105

Flip for more info on this product - Pages 63-66



A. PFC-3000 FLOW ANALYZER (BENCHTOP) SERIES

The PFC-3000 series of instruments measures flow, pressure, temperature, humidity and O₂ concentrations bidirectionally. The one-of-a-kind Adult, Pediatric and High Frequency ventilation measuring modes make the PFC-3000 the ideal calibration tool for all ventilators, anesthesia machines and spirometers.

PFC-3000A Basic Flow Analyzer \$8025

PFC-3000AKIT \$8771

Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000A, LS-2000A, and FlowLab Software

PFC-3000A-MGA-KIT \$13455

Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000A, LS-2000A, MGA-3050 and FlowLab Software

PFC-3000L Basic Flow Analyzer with additional low pressure sensor \$8825

PFC-3000LKIT \$9570

Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000L, LS-2000L, and FlowLab Software

PFC-3000L-MGA-KIT \$14720

Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000L, LS-2000A, MGA-3050 and FlowLab Software

PFC-3000V Basic Flow Analyzer with additional vacuum sensor for vacuum measurements \$8825

PFC-3000VKIT \$9570

Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000V, LS-2000V, and FlowLab Software

PFC-3000V-MGA-KIT \$14720

Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000V, LS-2000A, MGA-3050 and FlowLab Software

Optional Accessories:

B. FlowLab Software Software for PFC-3000 Series. . \$375

C. MGA-3050 Multi Gas Analyzer \$5150

Flip for more info on this product - Pages 61-62

D. Mallinckrodt (NPB) BreathLab PTS-2000

Ventilator Analyzer 4-076185-00 Call for price

- Accurately measures pressure, flow, volume, Oxygen concentration & barometric pressure & N₂O flow
- Measures Air, O₂, Air/O₂ mixture
- User-replaceable O₂ sensor
- Single-multifunction screen; portable, lightweight, rugged design
- 20 selected parameters on 10 user-configurable screens
- Numeric display of two real-time measurements
- Auxiliary menu for O₂ calibration & sensor management
- English & metric units for pressure, flow & volume

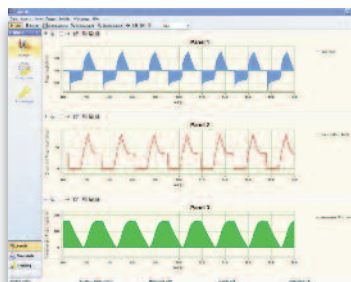
Optional Accessories:

- **4-075356-00** BreathLab Software call for price
- **4-075359-00** Model 840 Vent Software ... call for price
- **4-076164-00** Hard Carrying Case call for price
- **4-076599-00** Model 840 Vent Accessory Kit. call for price

A



B



C



D



E



E. Breath Simulation Module\$1988

The Michigan Instruments' Breath Simulation Module is a compact precision device designed to transform the dual adult Training and Test Lung into a spontaneously breathing system. While in this mode, the PneuView system can analyze a simulated patient breath at preset compliances and resistances as well as investigate the characteristics of assisted ventilation. No other apparatus allows for simulated breaths at such a controllable level.

- A physical and digital display of spontaneous breaths, useful in the classroom and in ventilator calibration.
- Accurate control of breath rate, tidal volume and inspiratory time.
- Easy, calibrated ventilation of testing equipment via line-air.
- Simple setup. With a Breath Simulation Module, a spontaneously breathing system can be set up in less than two minutes.

F



F. BC Biomedical LS-2000 Lung Simulator Series

Airway resistance, lung compliance & leakage widely adjustable.

LS-1000E EasyLung Simulator	\$220
LS-2000A Adult Lung Simulator	\$875
LS-2000I Infant Lung Simulator	\$875

BC Biomedical TestLung Infant LS-1000N

The TestLung Infant is the ideal tool to test neonatal and infant ventilators.

G. LS-1000N TestLung Infant	\$155
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← Flip for more info on this product - Pages 67-68 →

G



H



H. "Manley" Lung Simulator\$3800

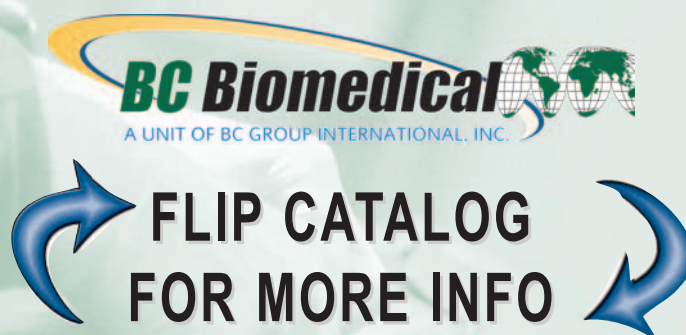
A long-time industry favorite. Acts as a simulated physiological load for the ventilator being tested.

- Volume range: 0.3 to 1.0 L
- Variable airway resistances
- Variable compliances

We service Manley Lung Sims & carry replacement parts!

Test Lungs

10107 Infant	\$125
I. BC20-40200 Adult	\$75



CE TSI General Purpose Mass Flowmeters

- Flow rate, volume, temperature, pressure in one instrument
- High accuracy - 2% of reading
- Multi-gas, user selectable
- Built-in temperature & pressure sensors for high accuracy without external compensation
- Standard L/minute or Volumetric L/minute
- RS232 & Analog outputs

A. 4040 Mass Flowmeter The TSI Mass Flowmeter 4040 can be used for a multitude of gas flow measurement applications. Whether measuring gas flows in a laboratory or manufacturing setting, TSI general-purpose mass flowmeters provide accurate results with multiple data output options. The display versions come complete with accessories making setup and operation fast and convenient **\$940**

B. 4043 Mass Flowmeter 0-200 LPM range **\$940**

- User selectable Gas calibration
(Includes: Air, N₂, O₂, Air/O₂ Mix; Flow up to 300L/min & 22 mm ISO tapered O.D. inlet/outlet size)

C. 4140 Mass Flowmeter The TSI Mass Flowmeter 4140 (0.01-20L/min Air, O₂, N₂ 1/4" tube) can be used for a multitude of gas flow measurement applications. Whether measuring gas flows in a laboratory or manufacturing setting, TSI general-purpose mass flowmeters provide accurate results with multiple data output options. The display versions come complete with accessories making setup and operation fast and convenient. . . . **\$880**

4143 Mass Flowmeter 0-20 LPM with 3/8" connection. **\$880**

- User selectable Gas calibration (Includes: Air, N₂, O₂; Flow range up to 20 L/min & 0.25 in O.D. inlet/outlet size)

41403 Mass Flowmeter Same as 4140 but adds N₂O **\$990**

41433 Mass Flowmeter 0-20 Same as 41403 but has 3/8" connection **\$990**

Optional Accessories:

- **4199** Flowmeter Battery Pack Base **\$105**

D. Mark 8 Respirometer **\$1345**

Two Dials. Small dial: 0 to 1 L. Large dial: 0 to 100 L.

Optional Accessories:

- **E. 19-00481** Adapter that connects a respirometer to a ventilator drive gas hose **\$35**
- **BC20-01007** Respirometer Wright Guard **\$95**

F. BC78XX Test Box (Ohmeda®) **\$350**

Test box simplifies testing of Ohmeda® anesthesia ventilators. Includes a 24" connecting cable.

Optional Accessory:

- **BC78XX-CABLE** Replacement 24" cable (also fits Ohmeda® 78XX test box model) **\$70**

Special Tools for Anesthesia

G. 10195K29 Krytox® Oxygen-compatible Lubricant (one tube) **\$125**

H. 1204K32 Dow Corning 111 (Dräger) Stopcock Lubricant/Sealant (two tubes) **\$50**

A



Pictured with optional 4199

B



C



Pictured with optional 4199

E



D



G



F



H





I. AA-2005 Anesthetic Agent Analyzer \$5995

The BC Biomedical AA-2005 Anesthetic Agent Analyzer measures vaporizer output concentration using a digital display. This unit uses a State-of-the-art non-dispersive infrared (NDIR) technology and measures concentration in percentage values for Desflurane (Suprane), Sevoflurane, Isoflurane (Forane), Halothane as well as Enflurane (Ethrane). The AA-2005 also detects and quantifies mixed agents.

• BC20-30114 Hard Case \$395

Flip for more info on this product - Pages 67-68

J. VSI-1466 Switching Instrument \$440

The Model VSI-1466 is a Microprocessor based Valve Switching Instrument. It provides automatic switching of two independent gas flows to one common exhaust port.

K. Riken FI-21 Portable Gas Indicator \$3683

This Anesthetic Gas Indicator measures vaporizer output concentration using a digital display and does not require correction factors. Measures concentration in percentage for Desflurane (Suprane), Sevoflurane, Isoflurane (Forane) and Halothane. The battery operated FI-21 allows the user to select the carrier gas (O₂ or Air) and has an internal pump. Includes: Sampling Tube, Carrying Case and Sampling "T" Piece.

Gilmont GF1160 500 mL Flowmeter with fitting kit . . . \$410

- To check monitor pump flow rates
- Correlated flowtable
- Calibration Certificate Included

Anesthesia Pressure Meter Adapter Kits

Easily connect a pressure meter to popular anesthesia machines.

BC20-40600 Ohmeda® High Pressure Kit \$180

- For testing: Model I & II Secondary Regulator, Excel Secondary Regulator, 7000 Vent Primary Regulator, Modulus CD & Mod II Plus Primary & Secondary and 78XX Primary Regulator

L. BC20-40601 Ohmeda® Low Pressure and Drager Combo Kit \$180

- Ohmeda® Tests: Absorber Gauge, 78XX High Pressure Limit Test, 7000 Mechanical Relief Valve Test, Select-a-tec Port Valve Leak Test, Tycos Gauge & Pressure Monitor Test, 2120/2110 NIBP Calibration & 5250/5330 Barometric Pressure Calibration
- Drager Tests: NIBP Inflation Pressure Test, Manual Sphygmomanometer, Model 2A Breathing Pressure Monitor, Auxiliary Flowmeter, Model 3 & 4 Breathing Pressure Monitor & Leak Test

Optional Accessories:

- 10-02 CPC Coupler 1/8" MNPT \$15
- 021-140 Inflation Bulb with valve \$15
- 22-02 CPC Connector 1/8" Barb \$10

J

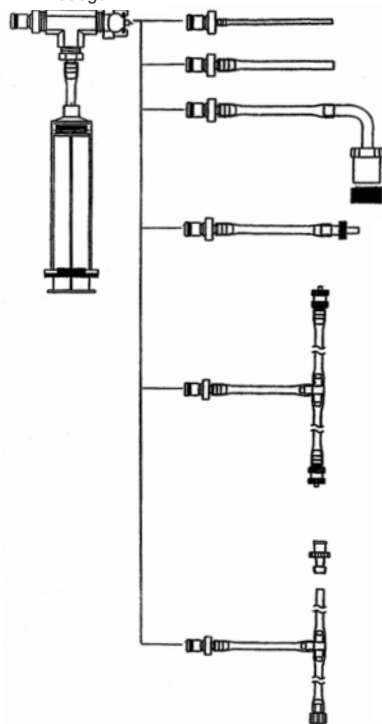


K



L

GMS Type Absorber Gauge



- NAD 2A Breathing Press Monitor
- Auxiliary Flowmeter Breathing Press Monitor, NAD 3 & 4
- NAD Leak Test
- 78XX High Pressure Limit Test 8000
- 7000 Mechanical Relief Valve & Tec Port Valve Leak Test
- Tycos Gauge & Pressure Monitor
- 2120/2110 NIBP Calibration
- NIBP Inflation Pressure Test
- 5250/5310 Baro Cal Test Fixture

Contact us
for your **Anesthesia**
Price Guide
an easy
reference
for all of your
test equipment needs.



A. Mini-Ox I Oxygen Analyzer \$417.15

This portable unit comes with battery life indicators, an easy-to-use thumb wheel calibration dial and a push-button ON/OFF switch. Powered by one 9V battery, the MiniOX I Oxygen Analyzer provides up to 1400 hours of use.

- Range - 0 to 100% O₂
- Linearity - $\pm 2\%$

Optional Accessories:

- PSR-11-917-J Replacement Sensor \$105

B. Mini-Ox 3000 Oxygen Monitor \$664.35

Features high and low Oxygen concentration alarms, automatic calibration, battery life indicators & alarms, sensor/cable disconnect alarm and an alarm verification indicator. The MiniOX 3000 Oxygen Monitor is perfect for "in line" Oxygen monitoring in such applications as hospital and home ventilators, NICU and anesthesia delivery equipment.

- Range - 0 to 100% O₂
- Linearity - $\pm 1\%$

Optional Accessory:

- PSR-11-917-J Replacement Sensor \$105

C. AII-2000A Oxygen Analyzer \$375

- Range - 0 to 100% O₂
- Accuracy - $\pm 1\%$ full scale at Constant Temp & Pressure
- Resolution of Display - 0.1% O₂
- Sensor Life - 60 months in Air
- Warranty - Analyzer Two Years, Sensor 18 Months

Optional Accessory:

- AII-11-60 Replacement Sensor \$105

D. AII-2000M Oxygen Monitor \$575

The AII-200M has all the same features as the AII-2000A Oxygen Analyzer, but provides a Low Limit Alarm 15 to 100%.

Optional Accessory:

- AII-11-60 Replacement Sensor \$105

E. Maxtec Original Oxygen Analyzer

A gold standard in our O₂ analyzer line up, this model has the sensor inside the analyzer. When attached to the tubing, checking oxygen concentrators for O₂ percentage accuracy is done quickly and with ease.

OM-25 A Internal MAX-250 long-life sensor . . . \$365

OM-25 AE External MAX-250 long-life sensor . \$400

F. R2118P12 Handi+ Oxygen Analyzer \$195

The Handi+ is everything it's always been and more! Maxtec has improved the Handi O₂ analyzer to better meet your needs for oxygen analysis. The simple to use, one-tooth calibration button, new overmold, and calibration reminder combined with the traditional 2 year warranty, auto-off and size make it the best of its class.

Replacement Anesthesia O₂ Sensors

(See online guide for more information.)

- | | |
|---------------------------|-------|
| G. PSR-11-915 | \$140 |
| PSR-11-915-1 | \$250 |
| PSR-11-915-2 | \$160 |
| H. PSR-11-915-3 | \$160 |
| PSR-11-915-4 | \$250 |

Replacement Respiratory O₂ Sensors

(See online guide for more information.)

- | | |
|---------------------------|-------|
| I. PSR-11-33 | \$80 |
| PSR-11-33-2 | \$80 |
| J. PSR-11-55 | \$100 |
| PSR-11-77 | \$100 |
| K. PSR-11-917-J | \$105 |
| PSR-11-917-M | \$105 |

Handheld

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L. ILT1490-ELMS Endoscope Light Measurement System . . . \$2500

The Endoscope Light Measurement System (ELMS) is a hand-held endoscope testing instrument designed to measure the luminous radiation of standard medical endoscopic light sources, fiber bundles and endoscopes. An endoscope light QC system.

M. ILT74 Hyperbilirubinemia Light Meter / Radiometer . . . \$925

The ILT74 Hyperbilirubinemia Light Meter / Radiometer was specifically designed to easily measure the exposure level of standard hyperbilirubinemia therapy systems directly in the patient plane.

N. Olympic Bilimeter Irradiance Measuring Instrument Mode 22 Bili-Meter™ with Type B-22 Sensor 53822 Used for measuring all regular Phototherapy lights Including fluorescent, halogen & even sunlight. . . . \$2200

Olympic Type F-22 Sensor (phototherapy Pads only) 53865. \$682.50

Olympic Type B-22 Sensor (phototherapy lights only) 53860. \$682.50

O. Extech 401025 Visible Light Meter . . . \$150

0 to 5000 Fc & 0 to 50,000 Lux, digital, handheld, $\pm 5\%$ Accuracy.

Optional Accessory:

• **NIST Traceable Calibration Certificate. \$75**

P. Extech EA30 EasyView Light Meter . . . \$190

- Widest range to 40,000 Fc/ 400,000 Lux is ideal for outdoor applications
- Utilizes precision silicon photodiode sensor
- Complete with a built-in stand, remote sensor with a protective cover, protective rubber holster, a five foot coiled cable for easy storage & six AAA batteries

Optional Accessory:

• **NIST Traceable Calibration Certificate. \$75**

Tachometers

Q. BC Biomedical TC-1726 Combo Photo/Contact Tachometer without Calibration Certificate . . . \$330

BC Biomedical TC-1726C Combo Photo/Contact Tachometer with NIST Traceable Calibration Certificate . . . \$395

Flip for more info on this product - Pages 69-70

Optional Accessory:

- **BC20-00601 Carrying case \$50**
- **BC20-00602 12 inch surface speed wheel \$75**
- **BC20-00603 Convex rubber tip with metal hub \$24**
- **BC20-00604 10 cm surface speed wheel \$16**
- **BC20-00605 Concave rubber tip with metal hub \$23**
- **BC20-00608 Contact adapter assembly \$61**
- **BC20-40705 Phototach Reflective Strip Material . . . \$11**

R. Extech 461893 Photo Tachometer . . . \$210

Extech 461895 Combo Photo/Contact Tachometer \$270
Extech 461995 Laser Combo Photo/Contact Tachometer . . . \$310

Optional Accessory:

• **BC20-40705 Phototach Reflective Strip Material (2 ft) \$12**

Extech 407355 Noise Dosimeter \$700

Measures total sound exposure over an eight hour period. % dose, dB & more.

Optional Accessories:

- NIST Traceable Calibration Certificate \$125

Extech 407732 Sound Level Meter \$200

High and Low measuring ranges: 35 to 100dB (low) and 65 to 130dB (high)

Optional Accessory:

- NIST Traceable Calibration Certificate \$125

Extech 407766 Sound Level Calibrator \$420

94 dB & 114 dB Levels @ 1 kHz.

Optional Accessory:

- NIST Traceable Calibration Certificate \$125

A. Rice Lake Precision Weights & Weight Sets (Class F)

Precision Laboratory Stainless Steel Weight Sets for testing analytical balances and digital scales.

Cast Iron Grip Handle Weights for Testing Patient Scales

Part #	Weight	Not Cal'd	w/COA	w/NIST
12823	5 lb	\$ 55	\$100	\$130
12828	10 lb	\$ 72	\$117	\$147
12870	20 lb	\$ 92	\$137	\$167
12833	25 lb	\$115	\$160	\$190
12839	50 lb	\$130	\$175	\$205
12862	100 lb	\$550	\$595	\$625

Precision Weight Sets

12518	1 g to 1 kg Set	\$405	\$450	\$740
12524	1 g to 2 kg Set	\$470	\$515	\$850

Other weights available, please call us with your needs!!

A **Certificate of Accuracy (COA)** is proof that the nominal values represented by the mass in question have been designed and manufactured to within exacting specifications.

With **National Institute of Standards & Technology (NIST)** Certification, the individual weight or weight set is automatically assigned a serial number.

B. Ophir Smart Display Laser Meters & Heads

Call for Specific Pricing & Availability

Any of the more than 70 Ophir smart heads are calibrated and configured to measure laser power and energy with that head.

C. Ohaus Analytical Balance/Scales . . . Call for Pricing!

Ohaus makes a wide variety of digital balances (scales) ranging from portable to lab quality. Options and features available include: draft guards, carrying cases, RS232 output and much more.

D. Extech HW30 Humidity/Thermometer Stopwatch . . . \$45

Digital UP/DOWN timer displays Temperature, Humidity, and Heat Index.

Optional Accessory:

- NIST Traceable Calibration Certificate \$15



E



F



G

Female Plastic Luer Connector



Male Plastic Luer Connector



Female Metal Luer Connector



Male Metal Luer Connector



Male HP/Agilent Type Connector



Male Dinamap Type Connector with Wash Cap



Plastic Double Ended Tubing Connector



Female Luer Lock Connector



Male Luer Lock Connector



Female Metric Screw Type Connector



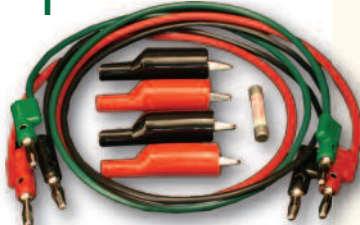
Male Metric Screw Type Connector



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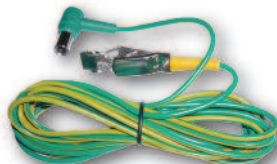
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BC Biomedical Soft Carrying Case Series

Soft-sided, heavyweight Cordura® material carrying cases that are a perfect fit for a multitude of test equipment and test accessories.

- BC20-30106 Small Soft Carrying Case \$45
- E. BC20-30107 Medium Soft Carrying Case \$65
- BC20-30108 Large Soft Carrying Case..... \$100
- BC20-30109 Large Carrying Case for IPA-1000 Series \$120
- BC20-30111 Carrying Case for NIBP 1000 series.. \$50

F. NIBP Fitting Kit BC20-40602 \$65

- HP cuff adapter • CPC connector
- Inflation bulb • Silicone tubing & tee
- Quick coupler with 1/8" MNPT

G. NIBP Adapter Kit BC20-40605 \$85

Connector kit for NIBP testers. Save time and money by buying this kit. Includes 11 connectors.

H. Universal Manometer Adapter Kit BC20-01005. . . \$115

Everything you need to connect a pressure meter, regardless of application.

- 25 different fittings: CPC, luer, pipe, barb, etc.
- Inflation bulb with valve • Tygon tubing & more

I. ESU-2000A Replacement Accessory Kit BC20-00120 . \$135

ESU-2050 Replacement Accessory Kit BC20-00126 . . . \$425

ESU-2300 Replacement Accessory Kit BC20-00125 . . . \$425

ESU-2400/H Replacement Accessory Kit BC20-00130 . . \$300

J. Universal Banana-to-Snap/ECG Adapters BC20-17024 . . . \$270

- Set of 10 Adapters • Accepts 3 & 4 mm ECG Leads

K. Banana-to-Snap/ECG Adapters BC20-17025 . . . \$60

- Set of 10 Adapters • Accepts **only** 3 mm ECG Leads

L. EP Adapter (Earth Plug 6mm) BC20-41510 . . . \$25

M. Ground Lug with a banana jack adapter BC20-17026 \$10

Defib & Pace Plates, Adapters & Cables (DA-2006 Series)

N. BC20-00427 Plastic Protective Plates (Set Included) . \$22

BC20-00432 Internal Paddle Adapters (Set Included). \$43

BC20-41339 USB to RS232 Adapter..... \$115

BC20-41341 Communication Cable \$95

BC20-00420 PhysioControl - Defib/Pace. \$135

BC20-00421 Marquette - Defib/Pace. \$280

BC20-00423 Cable, Defib/Pacer Zoll \$125 \$135

BC20-00426 Cable, Defib/Pacer HP/Agilent (Old Style barrel connector) \$125

BC20-00433 Cable, Defib/Pacer Test Philips (New Style) \$135

BC20-00434 Cable, Defib/Pacer Test Cardiac Science \$135

Safety Analyzer Cables

- O. BC20-20100 BC Biomedical Kelvin Cable (DNI Type). Fit the following DNI/Fluke Biomedical® models: 231, 232, 234, 235, 431, 432, u-Test 2000 & all medTesters . . \$135
- BC20-20110 BC Biomedical Chassis (black) Cable (BC Biomedical/Dale Technology® Type)..... \$88

- P. BC20-20111 BC Biomedical External (red) Cable (BC Biomedical/Dale Technology® Type) \$88
- BC20-20115 BC Biomedical Kelvin Cable (BCB Type) \$108

BC20-20150 Chassis Cable (Non-Kelvin), optional for external measurement mode \$108

BC20-20151 Chassis Cable (Kelvin), one comes with the unit. \$108

Invasive Blood Pressure Cables – Mini DIN



For use with BC Biomedical brand Multiparameter Patient Simulators. These cables come with the mini DIN style connector (see connector style AA in the connector reference), which is the same as the connector supplied on older (vintage) Bio-Tek Instruments simulators and current model Fluke Biomedical Multiparameter simulators.

Monitor Manufacturer	Description (BP connector listed below to Male mini DIN at simulator end)	BC Part #	BP Cable Connector Key	Price
Burdick	10-pin Female	BC20-41309	B	\$150
Care	5-pin Male	Call Factory	C	Call
Corometrics	3-pin Male / 3-Pin Female	Call Factory	E	Call
Corometrics	12-pin Male (IUP Cable)	BC20-41343	M	\$150
Criticare	6-pin Male	BC20-41301	H	\$130
Critikon	6-pin Male	BC20-41301	H	\$130
Datascope	6-pin Female	BC20-41308	F	\$150
Datex DX-1	10-pin Female	BC20-41309	B	\$150
Fukuda Denshi FD-2 / DS3300	12-pin Male	BC20-41311	V	\$130
Gould/Statham	5-pin Male	Call Factory	C	Call
Hewlett Packard/Agilent/Philips	5-pin Female	Call Factory	J	Call
Hewlett Packard/Agilent/Philips	12-pin Male (40 uV)	BC20-41315	I	\$130
Hewlett Packard/Agilent/Philips	12-pin Male (5 uV) (Most common)	BC20-41314	I	\$130
Hewlett Packard/Agilent/Philips	12-pin Male (IUP Cable)	BC20-41344	PP	\$150
Invivo Research	6-pin Male	BC20-41301	H	\$130
Ivy Biomedical	6-pin Male	BC20-41301	H	\$130
Kontron/Roche	12-pin Female	BC20-41318	X	\$130
GE Marquette 7000	8-pin Male	Call Factory	P	Call
GE Marquette Eagle MQ-3	11-pin Male (Most common)	BC20-41320	N	\$150
GE Marquette Twin	7-pin Male / 8-pin Male	Call Factory	D	Call
GE Marquette MQ-2	9-pin Female	BC20-41319	OO	\$130
Medical Data Electronics (MDE)	6-pin Male	BC20-41322	H	\$130
Mennen Medical	10-pin Male	BC20-41323	II	\$130
Nihon Kohden	5-pin Male	BC20-41324	O	\$130
North American Drager	6-pin Male	BC20-41301	H	\$130
Novamatrix	3-pin Male / 3-pin Female	Call Factory	E	Call
Ohmeda	6-pin Male	BC20-41301	H	\$130
Physio Control	6-pin Male	BC20-41301	H	\$130
Protocol Systems	6-pin Male	BC20-41301	H	\$130
Puritan Bennett	10-pin Female	Call Factory	B	Call
Puritan Bennett PB-2	10-pin Female	BC20-41309	B	\$150
Siemens Medical Solutions SM-1	10-pin Male	BC20-41329	HH	\$130
Siemens Medical Solutions SM-3	15-pin Male	BC20-41328	Y	\$130
SMEC	6-pin Female	BC20-41308	F	\$150
Spacelabs (TK-1)	6-pin Male (Most common)	BC20-41301	H	\$130
Spacelabs/Squib	5-pin Male	BC20-41331	Q	\$140
Tektronix/Squib	6-pin Male	BC20-41301	H	\$130
Vitastat	5-pin Male	BC20-41331	Q	\$140
Vitiatek/Squib	6-pin Male	BC20-41301	H	\$130
Witt	6-pin Female	BC20-41355	F	\$130
Universal BP Cable	Unterminated Pigtail	BC20-41340	Not Shown	\$50
Universal – Adapter	BP Cable Adapter – Mini DIN Male to Large DIN Female	BC20-40736	AA – BB	\$50
Universal – Adapter	BP Cable Adapter – Mini DIN Female to Large DIN Male	BC20-40737	BB – AA	\$50



Blood Pressure Cables



Cardiac Output Cables



Communication Cables



Temperature Cables

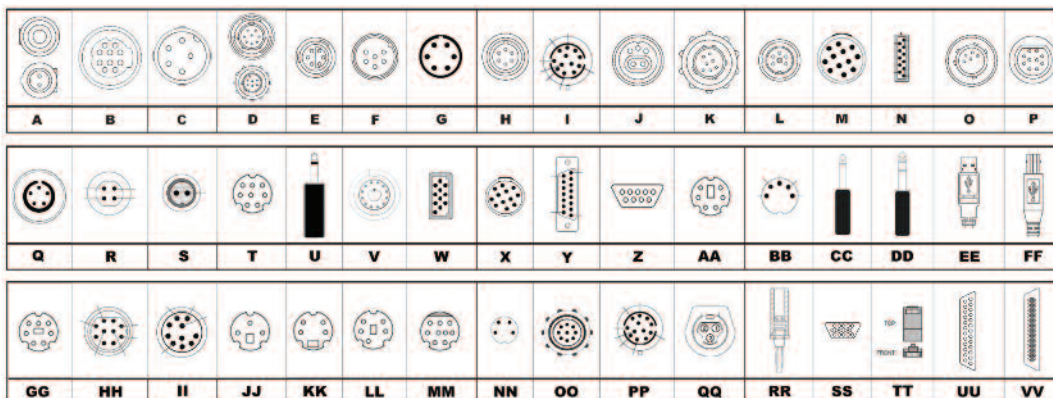
Invasive Blood Pressure Cables – Large DIN



These cables come with the large 5-pin DIN connector (see connector style BB in the connector reference) which is the same as the connector supplied on older vintage Dynatech Nevada, DNI Nevada Blood Pressure cables and new Fluke Prosim series.

Monitor Manufacturer	Description (BP connector listed below to Male large DIN at simulator end)	BC Part #	BP Cable Connector Key	Price
Burdick	10-pin Female	BC20-40303	B	\$150
Care	5-pin Male	Call Factory	C	Call
Corometrics	3-pin Male / 3-Pin Female	Call Factory	E	Call
Corometrics	12-pin Male	Call Factory	M	Call
Criticare	6-pin Male	BC20-40301	H	\$130
Critikon	6-pin Male	BC20-40301	H	\$130
Datascope	6-pin Female	BC20-40302	F	\$150
Datex DX-1	10-pin Female	BC20-40303	B	\$150
Fukuda Denshi FD-2 / DS3300	12-pin Male	BC20-40304	V	\$130
Gould/Statham	5-pin Male	Call Factory	C	Call
Hewlett Packard/Agilent/Philips	5-pin Female	Call Factory	J	Call
Hewlett Packard/Agilent/Philips	12-pin Male (40 uV)	BC20-40310	I	\$130
Hewlett Packard/Agilent/Philips	12-pin Male (5 uV) (Most common)	BC20-40309	I	\$130
Invivo Research	6-pin Male	BC20-40301	H	\$130
Ivy Biomedical	6-pin Male	BC20-40301	H	\$130
GE Marquette 7000	8-pin Male	Call Factory	P	Call
GE Marquette Eagle	11-pin Male	BC20-40308	N	\$130
GE Marquette Twin	7-pin Male / 8-pin Male	Call Factory	D	Call
GE Marquette MQ-2	11-pin Male (Most common)	BC20-40307	W	\$150
Medical Data Electronics (MDE)	6-pin Male	BC20-40314	H	\$130
Mennen Medical	10-pin Male	BC20-40315	II	\$130
Nihon Kohden	5-pin Male	BC20-40316	O	\$130
North American Drager	6-pin Male	BC20-40301	H	\$130
Novamatrix	3-pin Male / 3-pin Female	Call Factory	E	Call
Ohmeda	6-pin Male	BC20-40301	H	\$130
Physio Control	6-pin Male	BC20-40301	H	\$130
Protocol Systems	6-pin Male	BC20-40301	H	\$130
Puritan Bennett	10-pin Female	Call Factory	B	Call
Puritan Bennett PB-2	10-pin Female	BC20-40303	B	\$150
Siemens Medical Solutions SM-1	10-pin Male	BC20-40318	HH	\$130
Siemens Medical Solutions SM-3	15-pin Male	BC20-40319	Y	\$130
SMEC	6-pin Female	BC20-40302	F	\$150
Spacelabs (TK-1)	6-pin Male	BC20-40301	H	\$130
Spacelabs/Squib	5-pin Male	BC20-40320	Q	\$140
Tektronix/Squib	6-pin Male	BC20-40301	H	\$130
Vitastat	5-pin Male	BC20-40320	Q	\$140
Vitatek/Squib	6-pin Male	BC20-40301	H	\$130
Universal BP Cable	Unterminated Pigtail	BC20-40332	Not Shown	\$50
Universal – Adapter	BP Cable Adapter – Mini DIN Male to Large DIN Female	BC20-40736	AA – BB	\$50
Universal – Adapter	BP Cable Adapter – Mini DIN Female to Large DIN Male	BC20-40737	BB – AA	\$50

Cable Connector Key



Temperature Cables



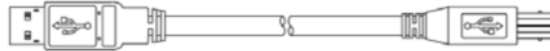
Description	Connector A	Connector B	BC Part #	Price
UT-1 Universal Temp Cable YSI-400 Series (PS-2110 & PS-2200 family)	T (Male)	CC	BC20-41333	\$85
UT-2 Universal Temp Cable YSI-700 Series (PS-2110 & PS-2200 family)	T (Male)	DD	BC20-41334	\$85
Universal Temperature Cable (Unterminated)	T (Male)	None	BC20-41351	\$55
Temperature Cable, Hewlett Packard Simulation Cable	U (3.5 mm Male)	S (Male)	Call Factory	Call
UT-1 Temperature Cable, MaxiSim/416M YSI-400	NN	CC	BC20-30010	\$85
UT-2 Temperature Cable, MaxiSim/416M YSI-700	NN	DD	BC20-30020	\$85
UT-3 Temperature Cable, MaxiSim/416M Unterminated	NN	None	BC20-30030	\$55
Temperature Cable, Hewlett Packard YSI-400	NN	S (Male)	BC20-30035	\$180

Cardiac Output Cables

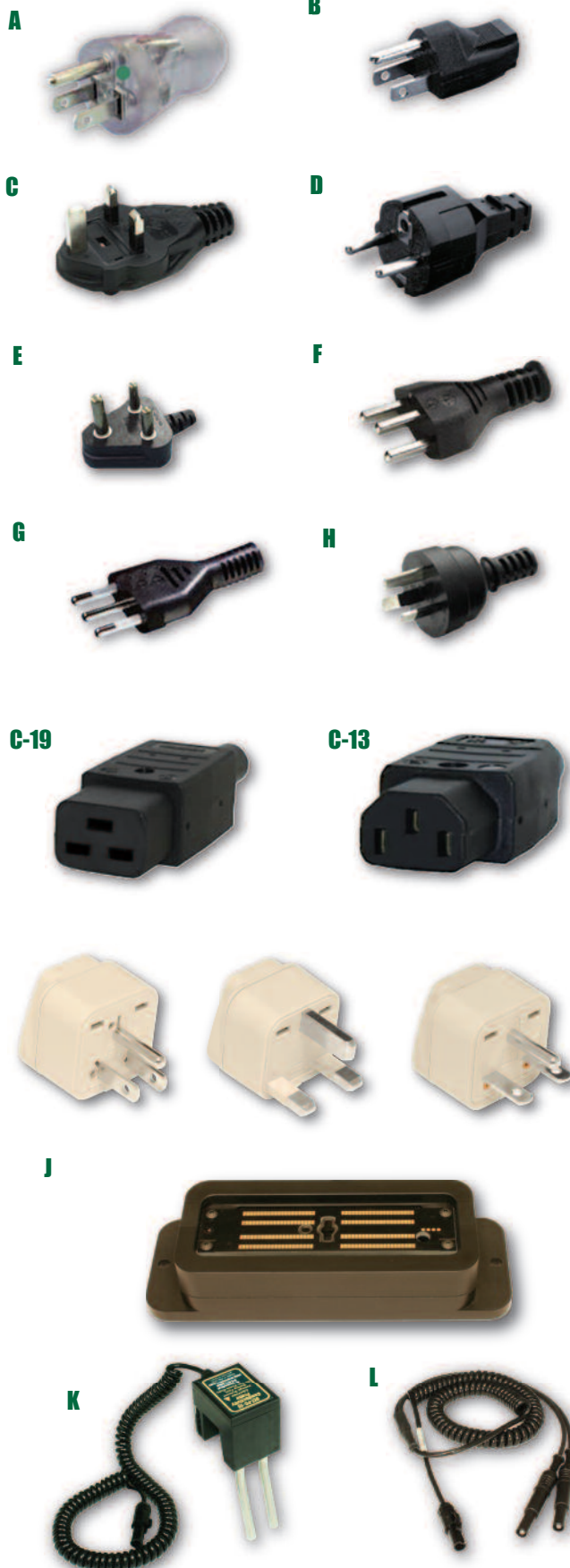


Description	Connector A	Connector B	BC Part #	Price
Cardiac Output Cable, HP Injectate Assembly	CC (¼ - inch Phone Plug)	R (Female 4-pin)	BC20-41335	\$135
Cardiac Output Cable, HP Temperature Cable	A (Female ¼ - inch Phone Plug)	A (Male 2-pin HP)	BC20-41336	\$220

Communication & Miscellaneous Cables



Description	Connector A	Connector B	BC Part #	Price
Communications cable for PS-2100, PS-2200, ULT & NIBP Series, DPM-2200, DPM-2300 Series (Mini DIN M to DB 9 F) – also used with BC Flash Update Programming Utility Software	GG (Male)	Z (Female)	BC20-41337	\$110
Communication Cable for PSR-2200 to MPS-450 & Marq III (Mini DIN F to DB 9 M) – adapts the standard PSR-2200 Remote to the listed Fluke Biomedical simulators	GG (Female)	Z (Male)	BC20-41338	\$90
Cable Adapter for PS-2100, PS-2200, ULT & NIBP Series, DA-2006 (USB to DB 9 M) – used on a PC that does not have an RS232 port – includes cable and CD with driver software	EE	Z (Male)	BC20-41339	\$110
Communication Cable for DA-2006 & ESU-2000 Series (DB 9 M to DB 9 F)	Z (Male)	Z (Female)	BC20-41341	\$90
Communication Cable for PSR-2200 to Host Computer (Mini DIN F to DB 9 F)	GG (Female)	Z (Female)	BC20-41342	\$110
Communication Cable for the ESU-2000 Series USB(A)M to USB(B)M	EE	FF	BC20-41352	\$25
Communication Cable for DPM-2000 Series (1/8" Phone Plug to DB 9 F)	U (1/8" Male)	Z (Female)	BC20-21102	\$90
IPA-1000 Instrument to Chamber Interconnect Cable (Mini DIN M to Mini DIN M)	T (Male)	T (Male)	BC20-40607	\$30
Communication RS232, USB(A)M to Mini DIN Male	GG (Male)	EE	BC20-41361	\$135



Typical Power Cord Options Available for the SA-2000-INTL Series With C-19 Connector

A.	BC20-20400 North America Hospital Grade . . .	\$60
B.	BC20-20401 Japan	\$60
C.	BC20-20402 United Kingdom	\$60
D.	BC20-20403 Schuko-Continental Europe with Schuko ground adapter	\$75
E.	BC20-20409 India/South Africa	\$60
F.	BC20-20410 Switzerland	\$60
G.	BC20-20412 Italy	\$60
H.	BC20-20416 Australia	\$60

Typical Power Cord Options Available for the ESU-2050, 2050P, 2300, And ESU-2400 Series With C-13 Connector

B.	BC20-20500 North America	\$60
B.	BC20-20501 Japan	\$60
C.	BC20-20502 United Kingdom	\$60
D.	BC20-20503 Schuko-Continental Europe	\$60
E.	BC20-20509 India/South Africa	\$60
F.	BC20-20510 Switzerland	\$60
G.	BC20-20512 Italy	\$60
H.	BC20-20516 Australia	\$60

Universal Adapters

I.	BC20-20200 US Plug Adapter(Grounded)	\$17
	BC20-20202 UK Plug Adapter.	\$17
	BC20-20218 US 220V Plug Adapter(Grounded).	\$17

Ultrasound Transducer Adapters (use with ULT-2000 Series)

	ULT-PA-10 Acuson/Siemens 8V5,15L8W,V5M,3V2C.	\$465
	ULT-PA-11 Sonosonite Transducers, including TEE	\$465
	ULT-PA-12 Acuson/Siemens 260-PIN	\$975
	ULT-PA-13 Acuson/Siemens 156-PIN,V510B,	\$655
	ULT-PA-14 ATL/Philips C9-5 Curved Array,	\$975
	ULT-PA-16 GE LogicQ and GE P9603AU.	\$975
	ULT-PA-17 Philips/ATL iE33 and iU22	\$975
	ULT-PA-18 Philips/HP 4500, Sonos 5500/7500	\$460
	ULT-PA-19 Philips/CX50	\$1025
	ULT-PA-20 Toshiba PVF Series, 2B701-753E.	\$660
	ULT-PA-21 Hitachi EUP-ES52M, EUP-Series Probes	\$975
	ULT-PA-22 Aloka SSD-620, SSD-650	\$975
	ULT-PA-23 All Transducers.	\$540
	ULT-PA-24 Philips/ATL 256-pin, w/belled housing	\$975
	ULT-PA-25 GE Logic Q, VIVID 6T,9T etc	\$1025
	ULT-PA-26 Acuson/Siemens 360-PIN	Call
	ULT-PA-27 GE YMS/RT	\$655
J.	ULT-PA-29 Zonare Medical Systems.	\$725
	ULT-PA-30 GE Vivid E9	\$1100

Ultrasound Dual Conductivity Probes (use with ULT-2000 Series)

K.	ULT-PC-10 Short Probe (3.43 inches / 87.1 mm) . . .	\$320
	ULT-PC-15 Medium Probe (4.46 inches / 113.2 mm) . . .	\$390
	ULT-PC-20 Set, Includes Long Probe (11.58 inches / 294.1 mm) and Short Probe (4.89inches / 124.2 mm) . . .	\$460
L.	ULT-PC-25 Adapter cable for Gus cleaning system . . .	\$125
	ULT-PC-30 Dual Conductivity Probe (Flexible)	\$320



AC & Battery Eliminator Cross Reference

Part #	Voltage	Item No.	Description	Price
A. BC20-21110	9V	IPA-1000 DPM-2000	Battery Eliminator 9VDC Interchangeable US, UK, AUS and Euro Adapters	\$53
BC20-21111	10VDC	DA-2006 PS-2010 PS-2100 PS-2200 ULT-2000	Battery Eliminator Interchangeable US, UK, AUS and Euro Adapters	\$53
BC20-21112	12VDC	NIBP-1000 SPO-2000	Battery Eliminator 12VDC Interchangeable US, UK, AUS and Euro Adapters	\$53
*BC20-21104	100- 240V	ESU-2050 ESU-2050P	Power Supply,Universal With C-13 Connector	\$70
B. *BC20-21105	100- 240V	ESU-2300	Power Supply,Universal With C-13 Connector	\$70
C. *BC20-21107	100- 240V	ESU-2400 ESU-2400H	Power Supply,Universal With C-13 Connector	\$130

A



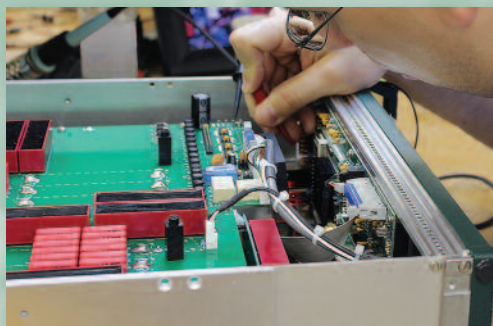
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C



*Power Cord not included, see page HH



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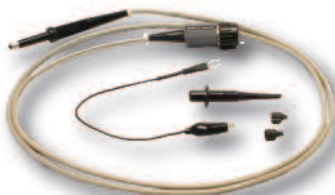
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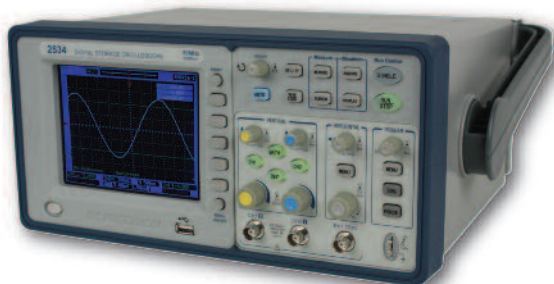
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H



D. Fluke ScopeMeter 190-Series

Fluke 196B/003 (100 MHz Bandwidth)	Call
Fluke 199BM (200 MHz Bandwidth)	Call
Fluke 199CM (200 MHz Bandwidth)	Call

E. Fluke 123/003 ScopeMeter

RS232 compatible and comes with a Three Year Warranty.	Call
• 20 MHz Bandwidth • Two Scope Vertical Channels	
• Two DMM Channels	

Optional Accessories:

• C125 Soft Carrying Case	Call
• Calibration Certificate	Call

F. Gold Scope Probe Kits

The "Gold Probe" has been designed specifically for use with Tektronix, Hewlett Packard and other high performance oscilloscopes. The Gold-plated tips, sprung hook, ground lead, alligator tip and other critical interconnect points within the Gold Probe, provide excellent contacts for probing low-level analog signals.

4901-2 Basic 7 piece Kit	\$51
4901-2K Deluxe 17 piece Kit.	\$80

G. BK Digital Storage Oscilloscope Model 2534

The 2540B, 2542B, 2540B-GEN, and 2542B-GEN dual channel 60 MHz and 100 MHz digital storage oscilloscopes (DSO) deliver performance and value, all in one portable solution. Maximize productivity using extensive features such as digital filtering, waveform recorder, pass/fail limit testing, and automatic measurements. These oscilloscopes offer powerful tools in a small affordable package with deep waveform memory up to 2.4 Mpts plus LAN and USB PC interface. The 2540B-GEN and 2542B-GEN models add a built-in arbitrary waveform generator (AWG). These digital oscilloscopes are ideal for applications in design and debugging, service and repair, and education.

2540B 60 MHz, 1 GSa/s Digital Storage Oscilloscope	\$779
2540B-GEN 60 MHz, 1 GSa/s Digital Storage Oscilloscope with Generator	\$1195
2542B 100 MHz, 1 GSa/s Digital Storage Oscilloscope	\$899
2542B-GEN 100 MHz, 1 GSa/s Digital Storage Oscilloscope with Generator	\$1395

H. BK 50 kHz Spectrum Analyzer Model 2658A

B&K Precision's 2658A is a compact, lightweight and cost-effective spectrum analyzer for quick and precise signal investigations, especially away from the bench. At a weight of only 4 pounds (1.8 kg), the 2658A is by far the lightest full-featured spectrum analyzer available, yet it delivers performance and features comparable to a full-size bench spectrum analyzer and can operate up to 4 hours on a single battery.

With its ease of use, measurement flexibility and unmatched portability, the 2658A spectrum analyzer is an indispensable tool for engineers and technicians who conduct field measurements in the 50 kHz to 8.5 GHz range.



**We carry the complete line of
BK PRECISION Oscilloscopes.
Contact us with your needs!**

A. EXTECH EX710: 800A AC Clamp Meter \$90

- 0.1 to 600 V
- 0.01 to 800 Amps AC
- Carrying Case, Battery & Test Leads Included

Optional Accessory:

- NIST Traceable Calibration Certificate \$40

Extech EX720 True RMS AC Clamp-On Meter \$120

- 0.1 to 600 V
- 0.01 to 800 amps AC
- -4 to 1400 °F
- -20 to 760 °C
- Case, Battery & Test Leads Included

Optional Accessory:

- NIST Traceable Calibration Certificate \$40

Extech EX730 True RMS AC/DC Clamp-On Meter \$170

- 0.1 to 600 V
- 0.01 to 800 Amps AC
- -4 to 1400 °F
- -20 to 760 °C
- Case, Battery & Test Leads Included

Optional Accessory:

- NIST Traceable Calibration Certificate \$40

Multimeter Test Leads & Accessories

B. 8043S "Softie" DMM 10 piece lead set. \$27

C. Fluke T-Pak Meter Hanging Kit. Call

D. Fluke 80K-40 High Voltage DMM Probe with Cal . . . \$213



Model	Fluke 77-4	Fluke 114	Fluke 179	Fluke 87V	Fluke 289
Price	\$300	\$140	\$300	\$400	\$Call
Price w/Cal Cert	\$340	\$180	\$340	\$440	

True RMS	No	AC	AC	AC	AC/DC
Basic Accuracy	0.3%	0.5%	0.09%	0.05%	0.025%
Bandwidth	No	No	No	20 kHz	100 kHz
Auto/Man. Ranging	Yes	Yes	Yes	Yes	Yes
Digits	3.5	3.5	3.5	4.5	4.5
Counts	3200	6000	6000	20000	50000
Temp.	No	No	+400 °C +752 °F	+1090 °C +1994 °F	+1350 °C +2462 °F
Datalogging	No	No	No	No	Yes

**We carry a wide variety of Digital Multimeters.
If you do not see what you need, please feel free to contact us**

E



F



G



E. PowerGuide 4400 \$7940

Equipped with 8 independent channels, the 3-phase PowerGuide 4400 is the only advanced power monitoring instrument to incorporate a color touch screen into its light-weight design. Automated setups provide instant detection of circuits and configurations, ensuring that the instrument is ready to successfully collect data. Users can select the length and mode of data collection, including troubleshooting, data logging, power quality surveys, energy and load balancing.

F. PowerXplorer PX5 \$10750

The PowerXplorer integrates the most advanced feature set available in a power monitoring instrument, with an easy-to-navigate, color graphical user interface. With high-speed sampling and data capture (1 microsecond/channel), this 8-channel workhorse simultaneously captures and characterizes thousands of parameters, using a range of standard and customizable operating modes. The unique measurement capabilities of the PowerXplorer include capture of low-medium-high frequency transients through peak, waveshape, rms duration and adaptive high-speed sampling, as well as power measurements to clearly characterize non-sinusoidal and unbalanced systems.

G. DranTech XTRA/PRO \$350

These multimeters are suitable for universal use in electrical engineering, electrical installation, laboratory applications, telecommunication, technical training, as well as for troubleshooting in the field.

Features & Highlights:

- Voltage 1000 V and current 10 A (Rms or DC) max measurements
- Frequency, RMS value of AC measuring voltage
- 4½-place display (11,999 counts), with display illumination
- Automatic Blocking Sockets to prevent incorrect connection of the measurement cables
- 1 kHz low pass filter for VAC measurements
- Square Wave signal measurement with amplitudes of 2 to 5 V and frequencies from 100 Hz to 1 MHz
- Capacitance measurement to 1000 µF
- Resistance measurement to 40 Meg ohms
- Temperature measurement in degrees Fahrenheit or Celsius
- Thermocouple measurement capabilities of Type J and K thermocouples
- Battery run time, approximately 200 hrs on 2 AA alkalines
- Overload Protection, audible sound is employed if upper voltage or current range is exceeded
- Fuse indicator displays message that the fuse for current measurements needs to be replaced
- Bandwidth - 50 kHz (PRO), 100 kHz (XTRA)
- Frequency - 100 kHz (PRO), 1 MHz (XTRA)
- Memory for data logging - 540 kb (XTRA only)
- Remote configured, and momentary and stored measurement data via the bidirectional infrared interface with DranWin software (XTRA only).



The Source for Power Monitoring Equipment and Services

Dranetz-BMI has long been recognized as the world's number one source for power monitoring equipment and services. From versatile handheld power quality monitors used for portable troubleshooting applications, to permanently installed systems for continuous power quality process improvement, trust the experts at Dranetz-BMI to find a solution that's right for your business.

TIF Infrared and Differential Thermometers

Digitally read temperature without contact. Just aim and read.
Laser Sighting.

Prices include Calibration Certificate

A. TIF3310 Differential Thermometer with Cal, two bead Thermocouples **\$205**

B. TIF3320 Differential Thermometer with Cal, two bead Thermocouples and IR Thermometer probe **\$258**

Digital Thermometers

Measurement range:

J-type: -346 °F to +2192 °F

K-type: -328 °F to +2501 °F

Prices include Calibration Certificate

Fluke Series II 51-2 Single Input, with one bead thermocouple **\$330**

C. Fluke Series II 52-2 Dual Input, with two bead thermocouples **\$375**

If Calibration Certificate is **not** needed, deduct **\$50** from price.

D. Extech 445580 Humidity/Temperature "Pen" **\$66**

Pocket convenience.

- Humidity: Range: 10 to 90%; Accuracy: $\pm 5\%$; Resolution: 1%
- Temp: Range: +32 °F to +122 °F; Accuracy: ± 1.5 °F; Resolution: 0.1 °F

Temperature Adapters

Convert your DMM to a Temperature Meter.

E. Fluke 80TK DMM Temperature Adapter (w/Calibration Certificate) **\$191**

Fluke 80TK DMM Temperature Adapter (w/o Calibration Certificate) **\$146**

F. Fluke 80T-150U DMM Temperature Adapter (w/Calibration Certificate) **\$270**

Fluke 80T-150U DMM Temperature Adapter (w/o Calibration Certificate) **\$225**

Thermocouple Probes for Fluke 50-series & Other "K" Type Temperature Meters

G. Fluke 80PK-1 Bead thermocouple probe **Call**

H. Fluke 80PK-3A Surface probe **Call**

I. Fluke 80PK-22 Immersion probe **Call**

J. Fluke 80PK-24 Air probe **Call**

K. Fluke 80PK-25 Piercing probe **Call**

L. Fluke 80PK-26 Extended bead probe **Call**

M. Fluke 80PK-27 Ruggedized surface probe **Call**

A



B



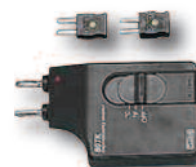
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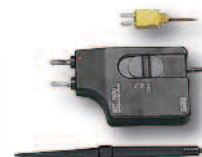
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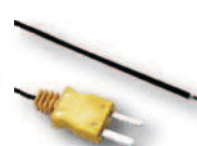
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K



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**We carry all Temperature Products from
Extech, TIF, BK & Fluke.
Contact us with your needs!**

O



N



Gammex RMI Multi-Purpose Phantom Series

Performs the following tests:

- Axial and Lateral Resolution at multiple depths
- Cyst imaging at multiple depths • Depth of penetration
- Image uniformity • Dead Zone
- Vertical and Horizontal Distance Accuracy

802263 403 LE-0.5 Precision \$3130

802264 403 LE-0.7 Precision \$3730

Gammex RMI Multi-Purpose Grey Scale Phantom Series

Use this series of phantoms for the following tests:

- Axial and Lateral Resolution at multiple depths
- Cyst imaging at multiple depths • Depth of penetration
- Image uniformity • Dead Zone
- Vertical and Horizontal Distance Accuracy
- Grey Scale qualitative and quantitative evaluations

N. 802259 403GS LE-0.5 Precision \$3484

802260 403GS LE-0.7 Precision \$3484

P



Q



Gammex RMI Multi-Purpose Grey Scale Phantom Series

Advanced tissue mimicking gel and grey scale targets are designed for the exacting standards of today's high-resolution ultrasound systems. The Precision Resolution Grey Scale Phantom GAMMEX 405GSX LE incorporates our Tissue Mimicking (TM) gel which provides a smoother background texture than conventional TM gels. This gel reduces the backscatter that is inherent in graphite-based TM gels and is fully compatible with the latest in tissue harmonics equipment and technology. The phantom can be scanned using normal control settings and ensures that the performance measured closely approximates the scanner's performance in a clinical examination. In addition, the phantom has a composite film scanning surface that has improved transmission properties so more of the ultrasonic beam can be transmitted and received. Attenuation: 0.5 ±0.05 dB/cm/MHz

O. 802267 405GSX LE-0.5 Precision \$3684

802268 405GSX LE-0.7 Precision \$3684

Gammex RMI Tissue Mimicking QC Phantom Series

Spherical Lesion Phantom This phantom is used to test the resolution of Ultrasound scanners. It tests in 3 dimensions: axial, lateral and elevational.

P. 408 LE-0.5 US SPHERICAL LESION PHANTOM \$5970

408 LE-0.7 US SPHERICAL LESION PHANTOM. \$5970

Q. Gammex RMI Carrying Case for 403/403GS 082B-403

..... \$225

Hard-sided carrying case designed with foam to protect any Ultrasound Phantom Investment on the inside.



**We carry the complete line of Gammex RMI & other lines of Phantoms.
Call BC for specs & pricing to find the perfect model for you!**

A. RTI COBIA SMART & FLEX QA Call for Price

- The RTI COBIA family of X-ray QA meters have just what you want—simplicity, built-in Color Display, and single modality capability at an affordable price. Starting with the basic COBIA Smart, you can measure Time, kV, Dose, Dose Rate, and HVL. The COBIA FLEX provides additional flexibility with optional internal mAs, along with Plug & Play Probes for measuring mAs, Light, and CT Dose. Current COBIA models are available in Rad, Fluoro, & Dent modalities. COBIAs come with a 2-year factory warranty & 2-year factory recommended calibration cycle.

- 9761001-00 Cobia Smart kV
- 9761002-00 Cobia Smart Dose
- 9761003-00 Cobia Smart kV-Dose
- 9764001-00 Cobia Smart kV
- 9764002-00 Cobia Smart Dose
- 9764003-00 Cobia Smart kV-Dose
- 9762003-00 Cobia Flex w/o internal mAs capability
- 9762004-00 Cobia Smart kV

B. Unfors RaySafe X2 \$12700

- For Radiographic and Fluoroscopic measurements, The RaySafe X2 offers more insight with less effort. The X2 R/F sensor is orientation independent so the only thing you need to do is to place it in the X-ray beam and turn on the instrument. The rest is automatic – no menus, no selections. The large, intuitive touch screen of the RaySafe X2 provides more insight with an easy-to-read display of parameters and waveforms. More in-depth information is only a swipe away.

- Complete system in standard case:
 - X2 Base Unit mAs
 - X2 R/F Sensor
 - X2 Flexi Stand
 - X2 Power Supply
 - Cables 2m, 5m, 5m extender, mAs
 - Various documentation

C. Unfors RaySafe Solo

- The RaySafe Solo simultaneously measures parameters, such as kVp, dose, dose rate, pulses, time, mA and mAs, depending on the model used. While the RaySafe Solo shares the core technology from the market leader RaySafe Xi, it has been adapted to fit a defined need – R/F, Rad, CT, Mammo, Light, Dose, mAs, Dental, or Survey. Options, such as direct HVL and total filtration measurements and waveform display, further enhances the RaySafe Solo experience. With minimal setup time, acquiring your first exposure will take less than one minute.

- RaySafe Solo R/F with mAs 1225010 **\$7870**
- RaySafe Solo R/F 1225010 **\$6700**
- RaySafe Solo RAD 1225012 **\$5480**
- RaySafe Solo dose 1225013 **\$4260**
- RaySafe Solo DENT 1225011. **\$6090**
- RaySafe Solo CT 1225014 **\$5480**
- RaySafe Solo mAs 1225016. **\$1200**
- RaySafe Solo light 1225017. **\$2870**
- RaySafe Solo MAM 1225018 **\$7080**
- RaySafe Solo MAM dose 1225019 **\$5480**
- RaySafe Solo HVL 1224010. **\$960**
- RaySafe Solo MAM HVL 1224012. **\$1200**
- RaySafe Solo PC kit. **\$960**

A



B



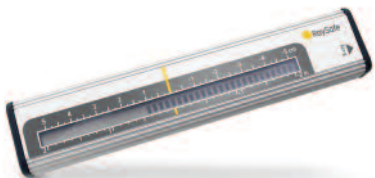
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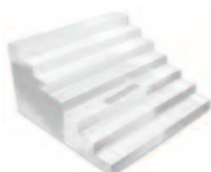
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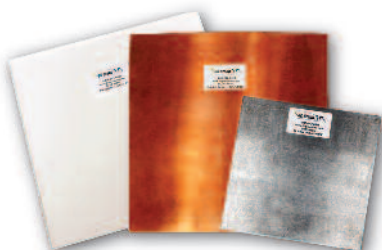
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D. Unfors Raysafe ThinX

• RaySafe ThinX has been optimized to meet the need for a basic multi-parameter instrument for simultaneous measurement of dose, dose rate, kVp, HVL, exposure time and pulses. All parameters are conveniently displayed in the large LCD.

- RaySafe ThinX RAD 1302024 **\$3040**
- RaySafe ThinX RAD kVp 1302025 **\$1700**
- RaySafe ThinX RAD Dose 1302026 **\$2060**
- RaySafe ThinX intra 1302023. **\$2430**

E. Unfors RaySafe DXR+ 1151011 \$640

X-Ray to light field alignment without film! The RaySafe DXR+, Direct X-ray Ruler, represents the latest in today's technology for alignment of the light and radiation field. The RaySafe DXR+ is extremely easy to use as it is powered on by simply exposing the meter. Features include auto reset and auto power off. There is no need to adjust the light field to a square phantom before making an exposure. No time is wasted waiting for films to be developed.

F. Lunar Alignment Kit BC20-35110 \$11000

Kit includes:

- BC20-35111 Lower Alignment Rod (DPX/Prodigy)
- BC20-35112 Alignment Extension Assembly for Prodigy
- BC20-35113 Aperture Alignment Plate for Prodigy
- BC20-35114 Peaking Brass Plate for Prodigy
- G.** • BC20-35115 Aluminum Calibration Standard Assembly
- H.** • BC20-35116 Primary Calibration Clear Step Block
- BC20-35117 Tube Head Wrench

I. Individual components:

- BC20-35010 Aluminum Alloy 101 sheet, 8"x8" 1/4" thick . . \$304.95
- BC20-35011 Aluminum sheet, 12"x12" 1/4" thick \$307.00
- BC20-35020 Copper Alloy 101 , 8"x8" 1/32" thick \$154.95
- BC20-35021 Copper sheet, 12"x12" 1/32" thick \$181.90
- BC20-35030 Plexiglass sheet, 8"x8" 1/2" thick \$28.95
- BC20-35031 Plexiglass sheet, 12"x12" 1/2" thick \$56.45

J. Atrix VACOSMRI Green Supreme ESD-MRI Vacuum . . . \$400

The Atrix International VACOSMRI Omega Green Supreme ESD-Safe Hospital & MRI Service Vacuum System comes standard with a True HEPA Filter, a 15' Non-Metallic Hose, a 16" ESD-Safe Flexible Wand, an ESD-Safe Crevice Tool, and a Shoulder Strap, which is perfect for maintaining MRI machines. The standard 15' Hose allows service personnel to keep a safe distance away from any magnetic field. The Atrix VACOSMRI GREEN Supreme Hospital & MRI Service Vacuum is made from High Impact Starex Flame Retardant ABS Polymer and features over-heat protection.

Kit includes:

- 15' non-metallic hose
- 16" ESD-Safe flexible wand
- ESD-Safe crevice tool
- Shoulder strap

A. MAVOLUX 5032 C USB & 5032 B USB Light Meters Call for pricing

For measurement and control of light sources such as street lights, public buildings sports facilities, and quality control in the manufacturing of lamps and light sources.

- Precision digital measuring instrument for measuring luminance in lux or footcandles
- Luminance measurement in cd/m^2 , or in footlamberts with luminance attachment as accessory
- Large measuring ranges - high resolution - classified in accordance with DIN 5032-7 and CIE no. 69
- The silicon photodiode is color corrected, (i.e. its spectral sensitivity is matched to that of the human eye $V(\lambda)$.)



B. MAVO - SPOT 2 USB Spotmeter Call for pricing

Luminance 1° Spot Meter attachment that provides very precise readings for this high-end meter.

From a minimum distance of 1m, and out to infinity, this accessory can be used to obtain precise luminance readings for many applications involving photography, sports venues, street lighting, museums, projection screens, desk lighting and any architectural need.

- SLR viewfinder with measuring circle of 1° and viewing field of 15°
- Measuring from the distance of 1 m to ∞ , with close-up lenses (optional) down to 34 cm
- Contact measurement with optional Measuring Probe
- Backlight display illumination with LCD read-out in the viewfinder



C. MAVO-MONITOR USB Light Meter Call for pricing

The Gossen Mavo Monitor is a digital precision light meter for measuring luminance with the measuring sensor placed directly on the luminous or back-lighted surface, for instance with monitors (Crt/Lcd), TV screens, light boxes, light panels, traffic signs and ground glass.

An easy to handle, user-friendly light meter for professional applications in industry and service, for special checks and certified testings according to the existing safety regulations, above all at work stations, in medical and office systems.

- Measurement of luminance in cd/m^2 or fL
- Easy operation
- $3\frac{1}{2}$ place display
- Storage of up to 100 measured values
- USB 1.1 port
- Automatic and manual measuring range selection



D. M5056 Mavo-Max Call for pricing

Monitoring of the ambient light, according to IEC 61223-2 5 (QS -RLdt. Nov. 20, 2003). The MAVO-MAX extends the repeating cycles to six months for testing the constancy at imaging display systems concerning the "veil luminance" and the "max brightness contrast". In case of repeat measurements in the course of inspection or constancy tests, the repetition of the "veil luminance" measurement will not be required. Therefore, it saves the waiting time of up to 60 minutes, which must be observed for this procedure to ensure stability of the imaging display.



E



F



G



H



I



J



K



L



E. Omega Supreme Electronic Vacuum

- ESD-Safe • EMI/RFI line filtered
- Accessories store inside lid • 0.3 Micron Filter
- Size / Weight: 19"x 8"x10" / 11 Lbs

VACOMEGASLF 110 V \$310

VACOMEGASLFH 110 V with HEPA \$326

VACOMEGAS220F 220 V \$254

Optional Accessories:

- 31700-2P 0.3 Micron Cap. Std. Filter (two pack) . . . \$39
- VACPACK Deluxe Back Pack \$70

F. HEPA Express Vacuum VACEXP-04 \$189

- Safe for electronics, EMI/RFI Filtered
- HEPA grade filtration in a small powerful size

Optional Accessories:

- 710333 0.3 Micron Cap. Std. Toner Filter (two pack) . . . \$25
- 730333 0.12 Micron Cap. HEPA Filter (two pack) . \$44

G. Field Portable Static Kit ATIESD-1CP6S \$65

- Includes mat, wrist strap & ground cord.

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