

2017 MASTER CATALOG



EAST HILLS INSTRUMENTS



*This could be yours!
See back for details.*



Fluke 87v



Fluke 787



Fluke 279FC



Fluke 771

Industrial True-RMS Multimeter with Temperature

ProcessMeter

Digital Multimeter With Built-in Thermal Imager

Milliamp Process Clamp Meter

FEATURES

Multiple Ranges
True-RMS AC voltage and current
0.05% DC accuracy
4.5 digit mode for precise measurements
Min/Max and average recording
Category III, 1000 V and Category IV, 600 V

Resolution: 0.1 mV to 1.0V
Accuracy: 0.1% Rdg +1 LSD (VDC)
Resistance: up to 40 MΩ, 0.2% + 1 LSD
Overvoltage category: IEC 1010-1 CAT III
Current Measurement, Current Sourcing, & Voltage

15 measurement functions: AC voltage w/ low-pass filter, DC voltage, Resistance, Continuity, Capacitance, Diode test, Min/Max/Avg, AC current (iFlex), Frequency.
Save measurements and images wirelessly with a smart phone up to 20 feet/6.1 m away (no obstructions)

Best in class 0.2% accuracy
Resolution and sensitivity to 0.01 mA
Dual display with both mA measurement and 0% to 100% of 4-20 mA span
IEC-1010 Category II 300V rating

FEATURES

DESCRIPTION

Fluke 87V multimeters feature a unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment. The Fluke 87V also has a built-in thermometer which conveniently allows you to take temperature readings without having to carry a separate instrument. All inputs are protected to Category III, 1,000V and Category IV 600 V. They can withstand impulses in excess of 8,000 V and reduce risks related to surges and spikes.

The Fluke 787 ProcessMeter features a 4,000 count (30,000 count for DC current) clear LCD with backlight; 1,000V overload protection on V, ohms and frequency; 150V overload protection on mA, backed up by 440 mA 1,000V fuse. The meter also has 25% manual step plus auto step and auto ramp on mA output. The Fluke 787 ProcessMeter is the ideal tool for troubleshooting and calibrating current loop applications and eliminates lugging around two tools and switching back and forth.

The Fluke 279 FC Thermal Multimeter is an industry-first combination multimeter and thermal imager. Diagnose underlying electrical problems quickly and more efficiently with this full-featured tool. The 279 helps you find, repair, validate, and report many electrical issues quickly so that you are confident problems are solved. Check hot spots of high-voltage equipment and transformers, detect heating of fuses, wires, insulators, connectors, splices and switches.

The Fluke 771 Milliamp Process Clamp Meter (“the Meter”) is a hand-held battery-operated clamp meter that measures 4-20 mA dc without breaking the electrical circuit. Unlike conventional clamp meters, the Meter features a remote jaw that is connected to the main body via extension cable. It can measure low level dc current, measure 10 to 50 mA signals in older control systems, and up to 99.9 mA range non-contact. Also, the 771 illuminates hard to see wires in dark enclosures and automatically powers off to ensure battery stays charged for when you really need it.

DESCRIPTION

MODELS / EXTRAS

Fluke 87v.....\$379
includes TL75 test leads, AC72 alligator clips, holster, 9V battery, temperature probe, CD-ROM user’s manual and operator’s guide.

Fluke 787.....\$799
includes alligator clips, test lead set, Holster & Flex-Stand, 9V alkaline battery, Quick reference guide, Manual.

Fluke 279FC.....\$899
includes Test Leads, Rechargeable Lithium Ion Battery and Charger.

Fluke 771.....\$539
includes soft carrying case.

ACCURACY AND DIAGNOSTIC FUNCTIONS FOR MAXIMUM INDUSTRIAL PRODUCTIVITY!

Fluke 789.....\$899
includes alligator clips, test lead set, Holster & Flex-Stand, 4 AA alkaline batteries, Quick reference guide, Manual PLUS built-in 24V loop power supply and 250 Ω HART resistor.

MODELS / EXTRAS



M-10



MVP-600



M-80



MP-P | MP-V

Hydraulic Calibration Hand Pump

Pneumatic Calibration Combination Hand Pump

Magnum Low Pro Volume Pressure Chamber

Pressure • Vacuum Calibration Pump

FEATURES

Range: 0-10,000 PSI (700 Bar)
Compatible with most hydraulic fluids, oils, H2O
Connections: 1/4" NPT/BSP
2 Year Quibble-Free Warranty
Weight: 3 lbs

Range: Vacuum 28"Hg to Pressure 600 PSI (40 Bar)
Compatible with all gauges and calibrators
Connections: 1/4" and 1/8" NPT/BSP
2 Year Quibble-Free Warranty
Weight: 2 lbs

Range: Near absolute vacuum (30"Hg to 80 PSI)
Resolution: 0.0001 PSI
Bench Mountable
2 Year Quibble-Free Warranty
Weight: 3.5 lbs

Range: 0 PSI to 100 PSI (7 Bar) | 28"Hg to 0 PSI
Compatible with all gauges and calibrators
Connections: 1/8" NPT/BSP
2 Year Quibble-Free Warranty
Weight: 1 lb

FEATURES

DESCRIPTION

Utilizes a fully adjustable stroke control for quick priming, easy pumping, and fast pressure generation up to 10,000 psi (700 bar). The ergonomic handles provide extra comfort and reduce hand fatigue. The patented triple filtration system ensures pump operation in dirty conditions. The shatterproof reservoir and stainless steel construction guarantee leak free operation. The pump has over-sized check valves to provide smooth controlled operation. It uses a patented protective cage around the vent knob to prevent damage when dropped.

Produces pneumatic pressure and vacuum to check calibration of gauges, switches, transmitters, and recorders. The contoured cushioned handles provide extra comfort while preventing the pump from sliding. The over-sized check valve provides smooth operation throughout the output range while the dual o-rings on all pistons ensure zero leakage. Patented Mash proof vent valve comes standard on all MVP-600s (No Needle Valve) and a non-oil based lubricant is used on all moving parts.

Capable of extremely high resolution (0.0001 psi) as it spans the range of near absolute vacuum to low pressures (30" Hg to 80 PSI). It's rugged outer housing and dual o-ring design ensures zero leakage. Not only is the M-80 bench mountable, but it's relative light weight (3.5 lbs) makes it perfect for field use as well. Optional power drive supplied to rotate the vernier at a quicker pace in-order to speed up your calibrations.

Features a Delrin® plastic handle that prevents body heat transfer from interfering with readings, as well as an oversized check valve for smooth operation. The dual o-rings on all pistons ensure zero leakage. MP-P and MP-V have been in service for over 10 years and can now be found in over one third of all power plants. Both models will out perform any manufactured pump in it's category.

DESCRIPTION

MODELS / EXTRAS

M-10.....\$999
M-10KT.....\$1,199
includes Pump, a black padded canvas case embroidered with orange thread, 3ft high pressure hose, fittings, 3 filters, test point, adaptor, and fluid bottle.*
M-10WIN.....\$2,289
includes everything in the M-10KT plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T. certification and versatile hook.*
M-10WIN-FIT.....\$2,799
includes everything in the M-10WIN plus FasTest universal quick connect kit and coupler for Swagelok tube fittings.*
M-10RK.....\$199
Rebuild Kit for M-10.

MVP-600.....\$699
MVP-600KT.....\$829
includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors.
MVP-600WIN.....\$1,819
includes everything in the MVP-600KT plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T. certification and versatile hook.*
MVP-600WIN-FIT.....\$2,399
includes everything in the MVP-600WIN plus FasTest universal quick connect kit and coupler for Swagelok tube fittings.*
MVP-600RK.....\$140
Rebuild Kit for MVP-600.

M-80.....\$1,375
M-80KT.....\$1,497
includes Pressure Chamber, ball valve, (2) 2ft non-stretch hoses w/ fittings, a portable handheld power drive, rechargeable lithium battery, and charger.
M-80WIN.....\$2,599
includes everything in the M-80KT plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ (absolute vacuum to 3K PSI) w/ N.I.S.T. certification.
M-80TH.....\$3,499
includes everything in the M-80KT plus a Thommen® differential pressure calibrator (0.1% accuracy full scale with a resolution of 0.001" H2O differential).

MP-P | MP-V.....\$399
MP-PKT | MP-VKT.....\$497
includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings and Winchester Engineering M-2 stainless steel 2.5" analog gauge w/ protective rubber boot.*
MP-PKT-FIT | MP-VKT-FIT.....\$996
includes everything in the MP-PKT | MP-VKT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings.*
+HK-1.....+\$49
adds a 2ft non-stretch hose kit w/ fittings for side port to any model.*
MP-PRK | MP-VRK.....\$103
Rebuild Kit for MP-P or MP-V.

MODELS / EXTRAS

*Note: Kits, hoses, and fittings can be customized upon request.

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PP-4

**Magnum Pro
Pneumatic Power Pump**



F-15 - F-22

**Individual Swivel Style
& FastCal Fittings**



HK

**Regular & High Pressure
Calibration Hoses**

DESCRIPTION

Fluids in a transmitter or delicate system have always been a concern. Magnum Pro introduces the only fully versatile high pressure pneumatic pump capable of generating pressure up to 4,000 psi without liquid or the use of nitrogen. Two support legs fold out to stabilize the pump so it can be operated by either foot or hand. The vernier allows the pressure to be finely adjusted and sealed off to dial into the desired pressure.

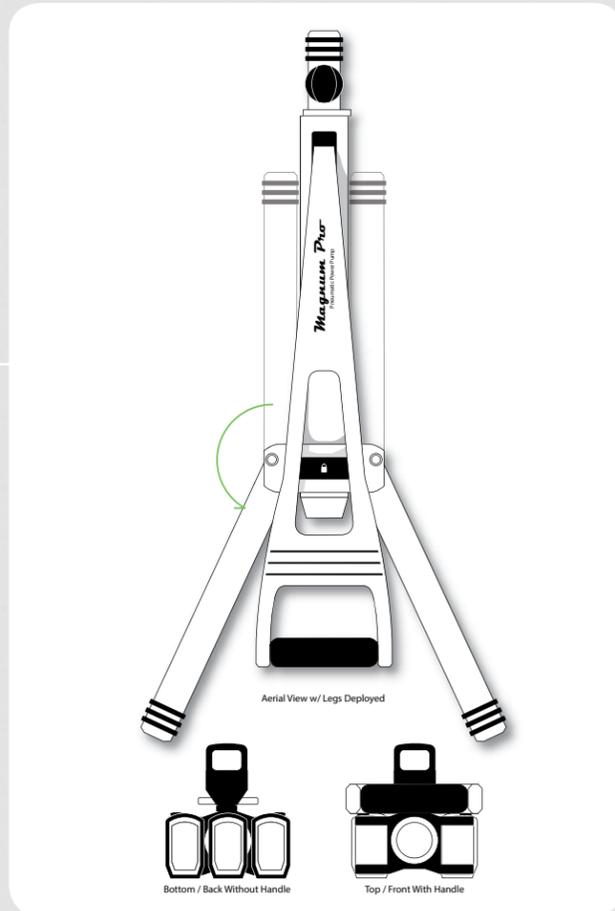
All fittings are rated to 5,000 psi (some 10,000 psi)
Fast Connection: Twist hand tight, no tools, no tape
Eliminate thread damage to instruments
Minimize contamination to process media
All fittings are made of stainless steel
Custom sizes by request

10,000 psi working pressure
32,000 psi burst pressure
Pneumatic & hydraulic applications
Small in diameter (3/16" OD)
High Pressure Hose made of Kevlar & Steel
Any length & any fitting configuration

FEATURES

FEATURES

- Range: 0 to 4,000 PSI
- Light weight
- Easy to set up
- Pump with hand or foot
- No heavy nitrogen bottles necessary
- Has 2 ports, one for a gauge and one for a hose
- No contamination of process system with oils & water
- Won't freeze in low temp from water intrusion
- Can be used on a bench or taken out to the field
- 2 Year "Quibble-Free" warranty



In calibration, there has always been a need to make a fast, non-destructive and reliable connection. Leaks, re-taping, and re-tightening become time consuming. The FasTest fitting was developed for volume production of refrigeration components, where only seconds are allowed for connection, pressurization, and testing.

Magnum Pro calibration hoses are flexible, leak proof and stabilize quickly without stretching. The provided swivel fittings prevent kinking and will work with any calibrator, gauge or pump part. You can fully customize your length or fittings to make the Magnum Pro hoses positively the best connection you could have! Swagelok ends available.

Any connection is made without tape and without tools. Stripped transmitters and fittings become a thing of the past. These fittings are probably the most cost effective product in the instrument or calibration shop.

The options for fittings are: 1/8 NPT male, 1/8 NPT female, 1/4 NPT male, 1/4 NPT female, 1/4 mini-mess female, swagelok tube male.

DESCRIPTION

MODELS / EXTRAS

- PP-4.....\$2,999**
includes Pump, Manifold, (2)5ft high pressure hose, fittings.
- PP-4WIN.....\$3,999**
includes everything in the PP-4 plus Winchester Engineering Model 1 Auto Ranging Digital Gauge.
- PP-4WIN2.....\$3,999**
includes everything in the PP-4 plus Winchester Engineering Model 2 Wide Range Digital Gauge.

- F-15.....\$95**
A 1/4" IEC thread specifically for use with the recessed hole in transmitters.
- F-16.....\$95**
Attaches to transmitters after nut and ferrule is removed.
- F-17.....\$89**
For 1/4" NPT internal (female) threads.
- F-18.....\$89**
For 1/8" NPT external (male) threads.
- F-19.....\$89**
For 1/4" NPT external (male) threads.
- F-20.....\$89**
For 1/8" NPT internal (female) threads.
- F-22 (Kit).....\$549**
FasTest universal quick connect kit includes all of the above fittings inside a hard yellow carrying case.

- HK-1.....\$49**
2' Standard Hose for MP-P & MP-V.
1/8" NPT male x 1/8" NPT female.
 - HK-600.....\$78**
2' Standard Hose for MVP-600 & M-80.
1/8" NPT male x 1/4" NPT female.
 - HK-HP.....\$195**
3' High Pressure Hose.*
- The HP Hoses are available in the following FITTINGS:
- mini mess female 1/4" NPT male
 - 1/8" NPT male 1/4" NPT female
 - 1/8" NPT female
- TP-4.....\$55**
Test point 1/4" - connects to mini mess fitting.

*Note: Please add \$20 per extra foot.

MODELS / EXTRAS



MODEL 1

Auto Ranging Digital Gauge™



MODEL 2

Wide Range Digital Gauge



M SERIES

4" Analog Gauge



M SERIES

2.5" Analog Gauge

FEATURES

Accuracy: 0.1% of reading from absolute zero to 3,000 psi
Units: psi, Bar, psia, inH₂O, inHg, mmHg, Absolute
Temperature Compensation: 0-50°C (32-120°F)
Connections: 1/4" NPT Male
2 Year Quibble-Free Warranty
Weight: 2 lbs

Accuracy: 0.05% of full scale from 0 to 10,000 psi
Units: psi, Bar
Temperature Compensation: -10-50°C (14-122°F)
Connections: 1/4" NPT Male
2 Year Quibble-Free Warranty
Weight: 2 lbs

Accuracy: 0.5% Accuracy full Scale (ANSI Grade 2A)
All Stainless Steel with Rubber Boot
Liquid Fillable
Connections: 1/4" NPT Male
2 Year Quibble-Free Warranty
Weight: 1 lb

Accuracy: 0.5% Accuracy full Scale (ANSI Grade 2A)
All Stainless Steel with Rubber Boot
Liquid Fillable
Connections: 1/4" NPT Male
2 Year Quibble-Free Warranty
Weight: Under 1 lb

FEATURES

DESCRIPTION

The Model 1 will replace the need to use many gauges of different ranges to achieve and maintain high accuracy. Model 1 also functions as an absolute pressure gauge. The auto-ranging technology uses multiple piezoresistive sensors to read the entire range using just one gauge where it would otherwise require up to seven of our closest competitors digital gauges. Certification costs are lowered by reducing the number of gauges. It's rugged, shockproof design comes equipped with a protective rubber housing. Large, easy-to-read, one-line display with vibrant backlight is perfect for any light condition.

Like the Model 1, the Model 2 will replace the need to use many gauges of different ranges to achieve and maintain high accuracy (0.05% f.s.) throughout a wide span (2,500-10,000 psi). The need for multiple gauges is eliminated. The Model 2 is explosion proof and fully temperature compensated. It has a large, vibrant one line display. It is housed in a high impact, sturdy case with an optional rubber boot for additional protection. Model 2 runs on three AA batteries. This gauge is destined to become the standard of the industry!

The M-4 analog gauge comes in a variety of display sizes and ranges to suit your exact needs. The protective rubber boot will ensure it the best protection from the rugged use in heavy duty industrial environments.

Its face is made of laminated safety glass and the pointer is adjustable. It is hermetically sealed and weather proof. All wet parts are 316SS.

The M-2 analog gauge comes in a variety of display sizes and ranges to suit your exact needs. The protective rubber boot will ensure it the best protection from the rugged use in heavy duty industrial environments.

Its face is made of laminated safety glass and the pointer is adjustable. It is hermetically sealed and weather proof. All wet parts are 316SS.

DESCRIPTION

MODELS / EXTRAS

MODEL 1.....\$999
MODEL 1KT.....\$1,197
includes Gauge, NIST certification, case, versatile hook.
MVP-600WIN.....\$1,819
includes Gauge, versatile hook, MVP-600 Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors.
M-10WIN.....\$2,289
includes Gauge, versatile hook, M-10 Pump, a black padded canvas case embroidered with orange thread, 3ft high pressure hose, fittings, 3 filters, test point, and fluid bottle.
M-80WIN.....\$2,546
includes Gauge, M-80 Pressure chamber, (2) hoses, fittings, a portable handheld power drive, rechargeable lithium battery and charger.

MODEL 2.....\$999
MODEL 2KT.....\$1,124
includes Gauge, NIST certification, rubber boot, case.
M-10WIN2.....\$2,289
includes Gauge, M-10 Pump, a black padded canvas case embroidered with orange thread, 3ft high pressure hose, fittings, 3 filters, test point, and fluid bottle.
PP-4WIN2.....\$4,875
includes everything in the PP-4KT plus Winchester Engineering Model 2 Wide Range Digital Gauge.

+\$49 Rubber Boot

M-2 Analog Gauge.....\$125
2.5" display.
M-4 Analog Gauge.....\$145
4" display with protective boot.
M-6 Analog Gauge.....\$195
6" display with protective boot.

+\$50 NIST Calibration Certificate
+\$35 Glycerin Filled

All models are available in the following RANGES:

30" -0 hg vac	30" -0-200	0-100 psi	0-800 psi
30" -0-15	30" -0-300	0-160 psi	0-1,000 psi
30" -0-30	30" -0-600	0-200 psi	0-1,500 psi
30" -0-60	0-15 psi	0-300 psi	0-2,000 psi
30" -0-100	0-30 psi	0-400 psi	0-3,000 psi
30" -0-150	0-60 psi	0-600 psi	0-5,000 psi

MODELS / EXTRAS



MFC 5150

HART Communicator



M200

Smart Manometer



M200-DI

Wet/Wet Smart Manometer



M201

Enhanced Rotary Gas Meter Tester

FEATURES

Reads manufacturers DDs in their native format
Enhanced 4.3" diagonal anti-glare touchscreen
Ergonomic, handheld design
Operating temp: 14 to 122°F (-10 to 50°C)
480 X 272 pixels display
Full QWERTY keyboard

Handheld, high-precision, digital manometer with an accuracy of up to ±0.025% of full scale
Document up to 240 readings (auto or manual)
Engineering Units: inH2O, PSI, mmHg, inHg, mBars, Bars, kPa, kg/cm2, cmH2O

Accuracy: up to ±0.025% of Full Scale
7 Differential Pressure Ranges Available
Eleven user-selectable engineering units
Documents up to 240 readings for future recall
Field recalibration to zero, span and linearity
User-selectable 1-Point or 5-Point calibration procedure

Recalibration for zero, span and linearity
1-point or 5-point calibration procedure
Enhanced or Legacy software mode
Pressure limits are twice range on differential units when pressurized on high side only and 150 PSI static when applied to both sides of sensor simultaneously

FEATURES

DESCRIPTION

The Meriam MFC 5150 HART Communicator utilizes a Windows based system for faster processing and greater storage capacity. Plus, no subscriptions, and with all options standard at no extra cost. The device is supplied with a fast 1-GHz processor, 256 MB of RAM and 512 MB of flash memory. It is capable of supporting up to an 8-GB SD card, which gives it the ability to store every existing DD file. This enables communication to take place with any registered or unregistered HART device, ensuring that the HART transmitter will connect to the 5150 regardless of brand or model.

The Meriam M200 smart manometer brings high precision and value to handheld, digital manometer users. The Meriam M200 features NIST traceable accuracy of ±0.025% of FS, independent of temperature effect, at the lowest prices available. Pressure ranges from 10" H2O FS to 3,000 PSIG FS are available. The Meriam M200 smart manometer pressure sensors are available to measure gauge, differential or absolute pressure. The display can read out in any of eleven pressure units or can be linearly scaled for special user units.

The M200-DI is a handheld, intrinsically smart manometer for liquids with high accuracy for wet/wet differential pressure applications. Potentially corrosive or wet gasses can also be handled. All ranges are rated for 1000 PSI common mode pressure. The damping feature minimizes pulsation effects. The 'Hold' function freezes the display for convenient reading. Leak test allows users to view Min/Max pressure values and calculates leak rate per minute in pressure units. This is a valuable tool for troubleshooting or pressure testing pneumatic systems.

The M201 makes drop testing rotary gas meters even easier. Improved hardware options protect the M201 from one sided overpressure. 'Measure Mode' lets it be used as a conventional differential pressure measurement device. Users will appreciate the live pressure display as they check the handheld's zero or observe DP across rotary gas meters. The M201 uses an internal stop watch to measure the test length during a drop test. It reports both the test time and the average differential pressure measured during the test.

DESCRIPTION

MODELS / EXTRAS

Meriam MFC 5150.....\$5,300
includes HART Communicator, Docking Station & Power Adapter, universal plug kit, USB Cable communication from docking station to PC, Battery pack, rechargeable 9600 mAh Li-Ion, Soft Carrying Case, Hand Strap, and SD Card.

Atex Certified Intrinsic Safety.....\$450

Meriam M200.....\$1,199
The M200 is available in the following RANGES:

Differential: From 0 up to and including 2,000" H2O
Gauge: From 0 up to and including 3,000 PSI
Compound: From -15 up to and including +3,000 PSI
Absolute: From 0 up to and including 1,000 PSIA

The M200 Series is available in the following ACCURACY:

Standard ± .05%	Enhanced ± .025%*
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Intrinsically Safe Certification.....\$232

*Note: Please add \$199 for this accuracy.

Meriam M200-DI.....\$1,600
Includes protective red boot, batteries.

The M200-DI is available in the following RANGES:

0-1 PSID (0-28" H2O)*	0-100 PSID (0-2768" H2O)
0-5 PSID (0-138" H2O)	0-300 PSID
0-15 PSID (0-415" H2O)	0-500 PSID
0-30 PSID (0-830" H2O)	

The M200 Series is available in the following ACCURACY:

Standard ± .05%	Enhanced ± .025%**
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Intrinsically Safe Certification.....\$232

*Note: Please add \$235 for this range.

**Note: Please add \$199 for this accuracy.

Meriam M201 - Push-to-read Valve, brass (2-port pressure manifold).....\$1,750
Meriam M201 - 1/4 turn Valve, brass, copper (2-port pressure manifold).....\$1,805
Meriam M201 - Integral push-to-read-valve, 316SS, viton (3-port pressure manifold).....\$2,115
all models include protective red boot, batteries.

The M201 is available in the following RANGES:

Differential -0-200" H2O	Differential -0-28" H2O*
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Intrinsically Safe Certification.....\$232

*Note: Please add \$75 for this range.

MODELS / EXTRAS



**SOURCE 3000
Pressure Source**



**CYLinderREGulator
Cylinder Regulator Assembly
For Nitrogen**



**ThermCal400
Dry Block
Temperature Calibrator**



**ThermCal130
Temperature Calibrator**

FEATURES

Self-contained nitrogen cylinder
“Overpressure Protection” regulator
Works with all pressure calibrator models
15.2 cubic foot nitrogen at 3,000 psi

Maximum Primary Inlet Pressure: 3,000 PSIG (206.9 Bar)
Low Torque required by operator for pressure adjustment
Single Stage, Venting Type with spring controlled piston
Integral inlet filter used to promote long life
CGA-580 fitting for direct connection for In-House cylinder
1/4 inch 37 degree male output port connection

Range: 25°C - 400°C (20°C ambient)
Stability: ±0.02°C (25°C - 200°C) | ±0.04°C (200°C - 400°C)
Accuracy: ±0.25°C (25°C - 200°C) | ±0.4°C (200°C - 400°C)
Heat up time 25 to 400°C: 13 Minutes
Cooling time 400 to 100°C: 20 Minutes
Weight: 11 lbs

Range: -4 to 266°F (-20 to 130°C)
Accuracy: ±0.4°C | Stability: ±0.05°C
Lightweight and portable for use in the field
CE marked for safety
Designed & manufactured in the USA
L8 x W9 x H10” • Weigh: 17 lbs

FEATURES

DESCRIPTION

The Condec Source 3000 is a pneumatic pressure source that offers a clean and dry pressure up to 3,000 psi. It’s pressure generator is equipped with a large-capacity cylinder that ensures you won’t run out of nitrogen in the middle of a job. It eliminates the inconvenience and physical stress of hand pumps. It has two ports for connecting to a measuring device and virtually any electronic calibrator. The Source 3000 is a unique device that incorporates a pressure vernier to allow you to dial in exact pressure readings, which eliminates the risk of costly damage from overshoot.

The Cylinder Regulator Assembly (CYLREG) allows the operator to ensure a properly regulated pressure output from an existing “in-house” Nitrogen Supply Cylinder that has a Maximum Charge of 3,000 psig. CYLREG has Maximum input pressure rating of 3,000 psig and a Maximum operator controlled regulated output pressure based on selected model.

The ThermCal400 is a small, portable and light weight calibrator that is built rugged for field work with specifications good enough to be a laboratory standard. Perform calibration checks on liquid in glass thermometers, dial thermometers, hand held digital indicators, probe assemblies, systems and virtually dozens of other temperature monitoring and recording devices. Checking the performance and accuracy of a temperature sensor is best performed by placing it in precise environment at its true operating temperature.

The ThermCal130 temperature calibrator is a small, rugged, portable and light weight dry block that is easy to use straight out of the box and provides specifications good enough to be a laboratory standard, while being small enough to use in the field. Compatible with a variety of removable inserts, the ThermCal130 is ideal for calibrating liquid in glass thermometers, dial thermometers, hand held digital indicators, thermal switches, RTDs/PRTs, thermocouples and dozens of other temperature monitoring and recording devices.

DESCRIPTION

MODELS / EXTRAS

Source 3000.....\$4,275
Swagelok QC4 Style Quick-Disconnect.....\$50
Swagelok QC4 Style Quick-Disconnect Female Test Ports and QC4 Quick-Connect Male Fill Port (Buna-N Seals).
Ralston quick-test/check-valve.....\$50
Ralston quick-test/check-valve Male Test Ports and Standard 7/16 -20 AN Male Fill Port (Buna-N Seals).
Tool Hose Canvas Carrier.....\$45
Quick-disconnect for Pressure Trap.....\$189
2 High Pressure Hoses w/ Fittings.....\$499
Pressure Trap.....\$625
Stainless steel pressure trap to contain backflow.

CYLREG 500 (0-500 PSIG Output).....\$595
CYLREG 1000 (0-1,000 PSIG Output).....\$599
CYLREG 2000 (0-2,000 PSIG Output).....\$649
CYLREG 3000 (0-3,000 PSIG Output).....\$799
5 ft. long hose.....\$175
10 ft. long hose.....\$199
15 ft. long hose.....\$249
20 ft. long hose.....\$275
Universal Steel Fitting Kit.....\$175
Before ordering, please specify gas used, as this changes the fittings needed.

ThermCal400.....\$1,895
includes ThermCal400, multiwell aluminum insert, insert extractor, power cable, carrying strap, instruction manual, and traceable calibration certificate.
Insert Blank.....\$160
Insert 5 x 1/4” holes.....\$195
Insert 2 x 1/4” & 2 x 3/8” holes.....\$195
Insert 2 x 1/4” & 2 x 1/2” holes.....\$195
Insert 1 x 1/4” hole.....\$195
Insert 1 x 9/16” & 1 x 1/4” holes.....\$195
Insert 1 x 5/8” & 1 x 1/4” holes.....\$195
Insert 1 x 11/16” & 1 x 1/4” holes.....\$195
Insert 1 x 3/4” & 1 x 1/4” holes.....\$195
Soft sided carrying case with insert pockets.....\$145

ThermCal130.....\$2,395
includes ThermCal130, carrying strap, insert removal tool, mains cable, traceable calibration certificate.
Insert Blank.....\$65
Insert 1/8” x 4 deep.....\$65
Insert 3/16” x 4 deep.....\$65
Insert 1/4” x 4 deep.....\$65
Insert 5/16” x 4 deep.....\$65
Insert 3/8” x 4 deep.....\$65
Soft sided carrying case with insert pockets.....\$145

MODELS / EXTRAS



PIE 850



PIE 830



PIE 820



PIE 525B

10-50 mA Multifunction Process Calibrator

High Accuracy Multifunction Diagnostic Calibrator w/ Dual Display

Multifunction Process Calibrator

Automated Thermocouple & RTD Calibrator

DESCRIPTION

The PIE Model 850 is more than a multifunction calibrator. It is also a loop detective that is able to diagnose common problems that other test equipment just can not find. Or use the LoopScope to see at a glance all the parameters - milliamps, voltage and resistance - in the loop.

The PIECAL 830 is more than a multifunction calibrator that can handle Milliamp, Voltage, Frequency, pH Ohms, Thermocouples, RTDs, Pressure, Loop Diagnostics, and Transmitter Supply. It is also a loop detective that is able to diagnose common problems that other test equipment just cannot find.

The PIECAL 820 process calibrator packs the power of six single function calibrators into one surprisingly small package. It combines advanced features, ease of use, accuracy, signal compatibility and compact size. Essentially functions as a Fluke™ 743 without pressure and documentation functions.

The PIECAL 525B thermocouple and RTD calibrator is an automated, high accuracy instrument designed to calibrate all your thermocouple and RTD instruments and measure temperature sensors.

DESCRIPTION

FEATURES

Calibrate with Confidence
Accurate to ±0.02% of Reading + 0.01% Full Scale.

Lighten up your toolbox
Pocket sized calibrator replaces toolbox of single function devices, Milliamp, Voltage, Frequency, pH, Ohms, Thermocouples, RTDs, Pressure, Loop Diagnostics, Transmitter Supply.

Guaranteed Compatibility with process inputs
Compatible with the instruments you use including all brands of smart transmitters and PLCs with 14 T/C and 9 RTD types to 0.1°C and 0.1°F.

Detect hidden loop problems
Quickly diagnose troublesome ground faults & current leakage with patented Loop Diagnostic technology. These problems are undetectable with other instruments!

Check all loop parameters at once with the LoopScope
Simultaneously displays current, voltage and resistance to let you know the condition of a live loop. Finds problems with power supplies & loops with too many loads. Patented by PIE!

Troubleshoot wiring problems without a multimeter
Built in continuity checker with beeper quickly finds broken wires or shorts in instrumentation wiring. Also handy for checking operation of relays and controller outputs.

Detect hidden loop problems
Quickly diagnose troublesome ground faults & current leakage with patented Loop Diagnostic technology. These problems are undetectable with other instruments!

Check all loop parameters at once with the LoopScope
Simultaneously displays current, voltage, and resistance to let you know the condition of a live loop. Finds problems with power supplies & loops with too many loads. Patented by PIE Instruments.

Automatically detect 2, 3 or 4 wire RTDs
Trouble shoot sensor connections and find broken wires with patented technology. LCD indicates which of the four wires are connected to an RTD sensor.

Swap out faulty transmitters to diagnose control issues
Easily setup the 830 as a universal isolated transmitter for temperature, frequency, millivolt or pressure. If the loop is back under control you know the transmitter was faulty. Turn on the LoopScope to simultaneously see the loop current, power supply voltage and loop loads for troubleshooting.

Troubleshoot wiring problems without a multimeter
Built in continuity checker with beeper quickly finds broken wires or shorts in instrumentation wiring. Also handy for checking operation of relays and controller outputs.

Lighten up your toolbox
Pocket sized calibrator replaces toolbox of single function devices, Milliamp • Voltage • Frequency, Thermocouples • RTDs • Check Continuity.

Technician friendly operation
Intuitive EZ-DIAL Double Click Menu makes it easier to setup than other multifunction calibrators. Uses the same menus as the single function PIECAL Evolution Calibrators.

Use it as a milliamp and voltage calibrator
Source 0 to 24.00 mA, 0 to 10.25v dc and -10.00 to 110.00 mV, Read to 24.00 mA, ±60.00v dc and -10.00 to 110.00 mV, Simulate 2-Wire Transmitters, Power up transmitters & loops with the built-in 24v power supply, Simplify HART hookups with built-in 250 Ohm resistor.

Calibrate directly in temperature (°C & °F)
The PIECAL 820 works with the instruments you use. Types J, K, T, E, R, S, B, N, G, C, D, L (J DIN), U (T DIN) and P (Platinel II). Pt 100 Ohm (3850, 2902, 3916, 3926) & 1000 Ohm (3850) Copper 10 & 50 Ohm, Nickel 100 and 120 Ohm.

Checkout flow and vibration systems
Source & read frequency to 2000 CPM (Counts-Per-Minute), 999.00 Hz, 9999.9 Hz, 9.9999 kHz & to 20.000 kHz.

Troubleshoot loop & wiring problems
‘Beep’ out connections with the built-in continuity checker.

Calibrate T/C instruments to 0.1 & 0.01 °F & °C
Types J, K, T, E, R, S, B, N, G, C, D, L (J DIN), U (T DIN) & P (Platinel): -13.000 to 80.000 mV.

Calibrate RTD instruments to 0.1 & 0.01 °F & °C
Pt 10, 50, 100, 200, 500 & 1000 Ohm (3850)m, Pt 100 Ohm (alpha=3902, 3916, 3926), Cu 10 & 50 Ohm and Ni 120 Ohm.

Calibrate with Confidence
Resolution to 0.01 °F & °C; Accurate to 0.2°, Cold Junction Sensor Accurate to 0.05°C m.

Perform Heat Treating Surveys & Accuracy Tests
Meets or exceeds the requirement of AMS 2750 as both a Secondary Standard Instrument and as a Field Test Instrument.

Troubleshoot RTD Sensors & Instruments
Automatic detection of 2, 3 or 4 wire connections indicates when individual wire connections are open. Verify proper instrument operation by measuring the excitation current.

Faster Calibrations
Instantly select three outputs with EZ-CHECK switch. Easily find trip points with two speed EZ-DIAL knob & Automatic Stepping.

FEATURES

MODELS / EXTRAS

PIE 850.....\$5,495
includes rubber boot, custom carrying case, test leads, RTD wire kit, batteries, calibration certificate.

T/C - J,T,E,K mini plug w/ stranded wire, lead kit.....\$95
T/C - B,R/S,N mini plug w/ stranded wire, lead kit.....\$95

PIE 830.....\$2,999
includes rubber boot, custom carrying case, test leads, RTD wire kit, batteries, calibration certificate.

NiMh Charger & 4 “AA” batteries 120v 60hz.....\$80
T/C - J,T,E,K mini plug w/ stranded wire, lead kit.....\$95
T/C - B,R/S,N mini plug w/ stranded wire, lead kit.....\$95

PIE 820.....\$1,999
includes rubber boot, custom carrying case, test leads, RTD wire kit, batteries, calibration certificate.

T/C - J,T,E,K mini plug w/ stranded wire, lead kit.....\$95
T/C - B,R/S,N mini plug w/ stranded wire, lead kit.....\$95

PIE 525B.....\$1,599
includes rubber boot, custom carrying case, mV leads, RTD wire kit, batteries, calibration certificate.

T/C - J,T,E,K mini plug w/ stranded wire, lead kit.....\$95
T/C - B,R/S,N mini plug w/ stranded wire, lead kit.....\$95
PIE RTD Wire Kit.....\$55

MODELS / EXTRAS





PIE 235

Process Voltage Calibrator

The PIE 235 checks, calibrates and measures voltage instruments. The 20V range has an extended span of up to 24V giving you a portable source for powering your loops. It has a pH simulator used to verify proper operation of pH devices before you place a probe into a calibrated buffer.

Source 3 ranges of mV & V dc plus percent of 1 to 5 volts
With the 235 you can check, calibrate and measure all your voltage, millivolt and pH signal instruments in your plant. Source -500.00 to 999.00 mV, 1.000 to 5.000 V, -25.00 to +125.00% of 1 to 5 V; 0.000 to 20.000 V.

Power your loops with over 1,000 Ohm loads
The 20.000 V range has an extended span of up to 24.000 Volts giving you a portable source for powering your loops.

Read DC volts
The 235 can measure from -500.00 to +999.00 mV, 0.000 to 5.100 V, -25.0 to 125.0 % of 1 to 5 V; 0 to 20.000 V and 0.00 to 60.00 V DC. Use it to check loop power supplies, I/V converters, 1 to 5 Volt signals, and other voltages.

Calibrating recorders & monitors in 4-20 mA loops
Other brands of calibrators require that you break the loop to calibrate voltage inputs. With the PIE 235 you simply clip the test leads across the voltage inputs in a live 4 to 20 mA loop without disconnecting any wires.

Easy-to-Read Display
Turn on the backlight to read in dark areas of the plant.

PIE 235.....\$849
includes rubber boot, custom carrying case, batteries, calibration certificate.



PIE 541

Frequency Calibrator with Totalizer

The PIECAL 541 is the best tool for calibration, test, and any frequency devices in the shop, plant and/or field. Save hours of time on problems when compared to other calibration methods. This calibrator will automatically stop when the selected number of pulses has been sent to the totalizer, eliminating the need of a stop watch.

Frequency Read & Source Functions
True ±0.005% of range accuracy. Source and Read. Six Ranges 1 per hour to 20.000Khz. Calibrate Totalizer input and outputs from 1 to 99999. Count Pulses 1 to 99999. LED indicator for gate time.

Read / Source Function
Read a wide range of Frequencies and Waveforms. Read 50mV to 120V peak. Read signals from Flowmeter pickups, Velocity and Motion Detectors and Totalizers. Sine and Square waves, Zero Based and Zero Crossing. Frequency from 1CPH to 20KHz. Adjustable amplitude from 100mV to 12Volts peak-to-peak. Simulates Vibration Pickups, Variable Speed Drives and more.

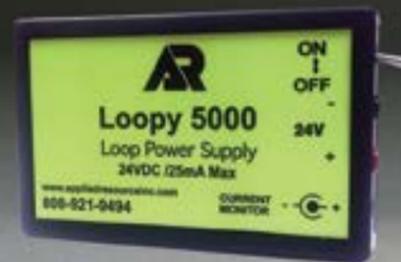
Calibrate Totalizers & Gate Trigger Indicator
Output a number of pulses from 1 to 100 minutes. The LED flashes in sync with the output frequency allowing easy adjustment of the attenuation for proper gate triggering.

EZ-Dial Ⓚ Knob & EZ-Check Ⓚ Switch
Change the speed of dialing your test point by just pushing down on the knob. Stop watch style push button for accurate totalizer measurements and for high and low readings

Uses a standard 9V Alkaline Battery
Superior battery life of 24 hours under typical continuous usage. Easy access to battery compartment.

PIE 541.....\$1,549
includes carrying case, batteries, calibration certificate, and attached test leads.

NiMh Charger & 4 "AA" batteries 120v 60hz.....\$80



LOOPY 5000

Portable 24V Loop Power Supply

No need to run wires
Can Power Any 4-20mA Loop
Up to a month of daily use
Battery Operated
Saves from using two calibrators
2 Year Quibble-Free Warranty

The Loopy 5000 provides field technicians with a portable, economic, and durable 24VDC power source for powering field transmitters. This is especially useful during plant startup, shutdown, and overhaul, when the loops are not usually energized, but field instruments must still be installed, tested, and calibrated. Efficient switching regulator allows LPS to extract virtually 100% of available battery power. Accidental short circuits are protected by a Positive Temperature Coefficient thermistor. A must have for any field technician's tool bag.

LOOPY 5000.....\$199
Powered by (1) 9 Volt Battery. Offers superior portability from the palm of your hand to your shirt pocket.

* \$50 OFF w/ purchase of any PIE Calibrator.



LOOPY 6000

Portable 24V Loop Power Supply

No need to run wires
Can Power Any 4-20mA Loop
Up to a month of daily use
Battery Operated
Saves from using two calibrators
2 Year Quibble-Free Warranty

The Loopy 6000 provides field technicians with a portable, economic, and durable 24VDC power source for powering field transmitters. This is especially useful during plant startup, shutdown, and overhaul, when the loops are not usually energized, but field instruments must still be installed, tested, and calibrated. Efficient switching regulator allows LPS to extract virtually 100% of available battery power. Accidental short circuits are protected by a Positive Temperature Coefficient thermistor. A must have for any field technician's tool bag.

LOOPY 6000.....\$199
Powered by (4) AA Batteries. Offers superior portability from the palm of your hand to your shirt pocket.

* \$50 OFF w/ purchase of any PIE Calibrator.

Why the Loopy?

- Doesn't tie up a second loop calibrator.
- Great for isolated loops.
- Light/Easy to carry.
- Compare to Transcat Model #21050E.

FEATURES

FEATURES

MODELS / EXTRAS

FEATURES

DESCRIPTION

MODELS / EXTRAS



HM35



HM28



HM30



TM35

Differential Calibrator

Digital Handheld Pressure Calibrator

Meteo Station

Bench Top Digital Manometer

FEATURES

Ranges from as low as 0-10" H2O
Data Log Memory for 10,000 measurements
MIN/MAX and average values
Accuracy to better than .025% (±1/2 LSD)
Lowest full-scale differential pressure calibrator made
Withstands 145 psi static pressure

Units: mbar, bar, kPa, hPa, MPa, mmH2O, mH2O, mmHg, psi, inH2O, inHg
Accuracy: 0.1% FS (0.05% available on some ranges)
Differential pressure / absolute pressure
Battery or power supply unit
Integrated data memory & RS232 Output

Measures Barometric pressure, Dew point, and Altitude
Second temperature with insertion sensor
Works with Leica precision measurement equipment
Peak Value Storage, min/max

Available ranges from: 0.4"h2o to 100psi
Offered in gauge, differential and absolute pressure
Accuracy 0.1% to 0.05%
Temperature compensated 0 to 50 °C
Relative-, differential- or absolute pressure
22 selectable units of measure

FEATURES

DESCRIPTION

The HM35 Gauge & Differential Digital Manometer provide users with gauge, vacuum and differential pressure measurements with accuracy to 0.05%FS. Absolute and Barometric models are rated at 0.1% FS. Accuracy includes stability for one year and is valid over the operating temperature range of 0°C to 50°C. A large easy to read display and light weight ergonomic case make the HM35 convenient to use. The HM35 is ideal for very low pressure differential measurements.

A convincing feature of this handheld pressure gauge is its versatility. Functions are available for leak rate, min./max. values and for storing the measured values in the display. The measured values can be stored in the integrated data memory with the datalogging function and from there, logged directly on a connected printer (without PC) via the RS232 interface. Of course a PC-software level Windows is also available. The HM28 permits measurements in over-and underpressure, differential or absolute pressure.

The HM30 has numerous applications including metrology, heating, ventilation, air conditioning, geology, geodesy, measurement, technique, aviation, and mountaineering. Several meteo parameters can also be observed, measured and evaluated along with simultaneous display of barometric pressure, humidity, temperature 1 and temperature 2. It also comes equipped with data-logging including real time clock, data transfer to PC, PC remote control facility, data printout possible without PC and windows supported software.

This bench top manometer measures gauge, differential and absolute pressures, rate of pressure change, MIN/MAX and average value are available. A large readable display also shows real time, date and is illuminated. Data Memory holds 10,000 measurements, and there are 22 selectable measurement units with 14 different measurement ranges available up to 90 bar (high overload resist). Graphic display with high resolution and backlight. Manually fine-tuning adjustment (0.5 l internal volume (up to 1 bar). Remote commands allow the direct reading of data via USB and software is available. Powered over USB (max 80mA) / Battery operated. Field of application: Medical Technology, Pharmaceutical Industry, Chemical & Petrochemical Industry, Laboratories and Universities, Diagnostics.

DESCRIPTION

MODELS / EXTRAS

HM35.....\$1,995
HM35EX (explode proof).....\$2,295
HM35AB (absolute).....\$2,295

The HM35 is available in the following RANGES:

0-10" H2O	0-14.5 PSI	0-245 PSI
0-28" H2O	0-15.9 PSI	0-500 PSI
0-80" H2O	0-29 PSI	0-1000 PSI
0-120" H2O	0-100 PSI	0-1300 PSI
0-200" H2O	0-145 PSI	

HM28.....\$1,995

The HM28 is available in the following RANGES:

0-100 PSI	0-10" H2O	0-1100 ABS
0-145 PSI	0-28" H2O	0-2000 ABS
0-245 PSI	0-80" H2O	
0-435 PSI	0-120" H2O	
0-1,015 PSI	0-200 H2O	
0-1,305 PSI	0-400" H2O	
	0-800" H2O	

Why the Meteo Station?

- So sensitive you can measure the height of a table.
- Extremely reliable.
- Complete instruments measures barometric pressure, humidity pressure, and temperature.

HM30.....\$1,989

TM35.....\$4,995

MODELS / EXTRAS



MIT1025

DC Insulation Resistance Testers



MEGGER 220015

5 and 15 kV DC Dielectric Test Sets



MIT400 Series

Industrial Maintenance Insulation and Continuity Testers



DET14C | DET24C

Earth/Ground Clamp-on Resistance Tester

FEATURES

Measures up to 20 TΩ
PI, DAR, DD, SV and ramp test
Operate from line power/mains if battery dead
Li ion battery - extended capacity, rapid charge
Advanced memory with time/date stamp
CATIV 600 V safety rating

Compact and portable
Air insulated, no oil
±2% accuracy
Leakage current measurement as low as 0.1 mA
0 to 122° F (-17.7 to +50° C) operating temperature

CATIV 600V applications
Insulation testing to 1000V and to 200GΩ
TRMS & DC Voltage measurement
Continuity testing at 200mA down to 0.01Ω
Analogue and dual digital display
Bluetooth wireless data transfer

Clamp shape improves access to earth cables and straps up to 50 mm
Low maintenance flat jaw interface
Measures ground resistance from 0.05 Ω to 1500 Ω and ground leakage current from 0.5 mA rms - 35 A rms
CAT IV 600 V safety rating

FEATURES

DESCRIPTION

Offering CAT IV, the MIT1025 is compact, light 10 kV insulation resistance tester for the diagnostic testing and maintenance of high voltage electrical equipment. Enclosed in a tough case it is both smaller and lighter than its predecessor making it even easier to carry and store. As well as measuring insulation resistance to 20 TΩ, the MIT1025 also offers various diagnostic tests such as Polarisation index, Dielectric Absorption Ratio, Step Voltage, Dielectric discharge and ramp testing.

The dc Dielectric Test Sets measure leakage current while applying a dc voltage at or above the insulation system's operating level. This measurement aids in determining the insulation system's ability to withstand overvoltages such as lightning strikes and switching surges. It can be used to check the electrical insulation quality of motors, power cables, switchgear, insulators, transformers and capacitors.

The MIT400 series of insulation and continuity tester offers those working in electrical engineering, the electrical supply industry and in maintenance, repair and servicing of industrial equipment and manufacturing processes a convenient test instrument. The MIT400 series insulation and continuity testers are designed not just for Electrical and Industrial, but with an exceptionally wide range of applications from electrical installations, cable testing, motor testing, automotive, ESD, panel building, avionics, maintenance etc.

The DET14C and DET24C represent a new generation of earth/ground clamp-on resistance testers. These instruments induce a test current into earth systems and measure ground resistance in multi ground installations without needing to disconnect the ground. They offer market leading access, advanced features, simple operation and CAT IV 600 V safety protection. The elliptical shaped head design offers improved access to cables and earth straps in space constrained locations. The clamp head accommodates up to 37 mm diameter cable and 50 mm earth tapes.

DESCRIPTION

MODELS / EXTRAS

Megger MIT515.....\$2,890
Megger MIT525.....\$3,788
Megger MIT1025.....\$4,587
Megger MIT1525.....\$5,154
includes power lead, 10 ft (3 m) leadset x 3, medium insulated clips, 10 ft (3 m) 3 m leadset x 3, large insulated clips, USB cable, PowerDB lite software.

Megger 220005 5 kV.....\$3,206
Megger 220015 15 kV.....\$4,309
Includes ground connection cable, 10 ft [3 m], kV/MΩ test record graph paper (100-sheet pad), power cord

Megger MIT400.....\$533
Megger MIT410.....\$610
Megger MIT420.....\$634
Megger MIT430.....\$734
includes silicone test leads, rubber boot with built-in stand, carrying case, info CD, calibration certificate, 3 year warranty.

DET14C.....\$1,294
includes carrying case, carrying strap - wrist loop, user guide CD, calibration check accessory, batteries.

DET24C.....\$1,464
includes bluetooth capabilities, carrying case, carrying strap - wrist loop, user guide CD, calibration check accessory, USB IrDA dongle, USB extension lead, PowerDB Lite software.

MODELS / EXTRAS

The MIT is available in the following RANGES:

MIT515	5 kV IRT with PI and DAR but no memory
MIT525	5 kV IRT, ramp test, advanced memory functions, USB
MIT1025	10 kV IRT, ramp test, advanced memory functions, USB
MIT1525	15 kV IRT, ramp test, advanced memory functions, USB

The MIT is available in the following RANGES:

MIT400	250v, 500v, 1000v
MIT410	+ 50v, 100v, Polarization Index, Dielectric Absorption Ratio
MIT420	+ Result Storage
MIT430	+ Bluetooth download

Megger 1002-001 Test Lead Set.....\$135
Megger 1007-157 SP5 Remote Probe.....\$129



GX-2009

Personal Four Gas Monitor



GX-6000

6 Gas, Sample Draw w/PID, IR & Super Toxics



EAGLE 2

SIX Gas Sample Drawing Monitor



GX-2012

Confined Space Multi Gas Monitor

Large capacity data logging standard (100 records)
20 hours of operation
Large LCD display screen & Automatic backlighting
STEL and TWA readouts
Intrinsically safe, CSA, C/US classified IECEx / ATEX

5 Operating modes: normal, leak check, inert, snap log and bar hole
Library of over 600 VOCs
PPM Leak Check mode
Operates up to 14 hours on Li-ion battery pack, fully recharges in 3 hours

PID, IR, TC, & Smart Toxic Specialty Sensors
Powerful long-life pump up to 125' range
Methane elimination for environmental use
Datalogging standard
Autocalibration / single gas calibration

Internal sample drawing pump with up to 50' range
Vibration, visual, and audible alarms
Bump test and calibration reminder w/ lock out option
Up to 600 hours of datalogging with alarm trends
Snap-logging - on demand data recording

The smallest and lightest 4-gas monitor in the world. Weighing only 4.6 ounces, it fits in the palm of your while simultaneously monitoring and displaying combustibles, oxygen, carbon monoxide, and hydrogen sulfide. It offers dual-audible alarm ports, alarm LED's, water resistance and a dustproof designs.

The GX-6000 is a game changer. This powerful hand-held instrument is capable of simultaneously monitoring up to 6 gases. In addition to the standard 4 confined space gases which include combustibles, O2, CO, & H2S, the GX-6000 has 2 additional smart channels that accept PID, IR or super toxic sensors. Equipped with a strong internal sample pump, a man-down alarm, a panic alarm, an LED flashlight, and large auto rotating LCD display, the GX-6000 can operate as a single gas PID unit or a multifunctional tool utilizing all 6 channels.

The EAGLE 2 is a powerful instrument that does more than just offer the standard confined space protection for LEL, O2, H2S and CO. The EAGLE 2 available features include a PID sensor for detecting high or low ppm levels of VOC gases; % volume capability for CH4 and H2 using a TC sensor; PPM or LEL hydrocarbon detection at the push of a button; infrared sensors for CO2, methane or hydrocarbons in LEL and % volume ranges; methane elimination feature for environmental applications; and a variety of super toxic gases.

With the GX-2012, you have multiple tools in one instrument. Having 3 operating modes, the GX-2012 can be used for confined space, safety monitoring in it's Normal Operating mode; for leak investigation in Leak Check mode; and for underground leak checking in Bar Hole mode. When equipped with an optional TC sensor, the GX-2012 can measure 100% volume methane and dynamically auto range from % LEL to % volume. This is ideal for line purge testing.

GX-2009.....Starts At \$695
Includes alligator clip, two (2) NiMH batteries, charging station with 115/220 VAC power supply (also available without power supply), product CD, datalogging software.

GX-6000.....Starts At \$1,945
Includes rubber boot, belt clip, hand strap, tapper nozzle, probe with hydrphobic & dust filter 3' teflon lined hose.

EAGLE 2.....Starts At \$1,945

GX-2012.....Starts At \$845

FEATURES

DESCRIPTION

MODELS / EXTRAS

DESCRIPTION

APPLICATIONS & INDUSTRIES

MODULE OPTIONS / EXTRAS



SBS-6500

Battery Analyzer



SBS-2003

Digital Hydrometer Density Meter



Emerson 475

Field Communicator

FEATURES

Download specific gravity readings wirelessly
Voltage range: 0–300V for batteries from 1.2–48 Vdc
Data storage: +7.5 Million records (75,000 Batteries)
Storage battery resistance testing: automatically switches within the test range 1 mΩ to 400 mΩ and resistance measurement resolution reaches 1 mΩ

Data-Logging with Wireless Downloading
Accuracy: ± 0.002
Auto temperature compensated to 77° °F (25°C)
1,000 reading memory Excel-compatible data format
Exclusive to Storage Battery Systems
IP64 water resistant

The 475 Field Communicator is designed to simplify your work in the field. The intuitive full color user interface allows you to leverage the same practices for both HART and Foundation fieldbus devices. It builds on the industry-leading technology of the 375 Field Communicator while adding innovative new capabilities including color display, Bluetooth communication, and advanced field diagnostics with applications like ValveLink™ Mobile. What you get is the most powerful handheld available – universal, user upgradeable, intrinsically safe, rugged and reliable.

DESCRIPTION

DESCRIPTION

The SBS-6500 analyzer is a multipurpose resistance and voltage testing kit. It has a storage capacity of 7.5 million data records for capturing and analyzing the entire history and details of up to 300 battery systems. Through your PC, or while on-site, the SBS-6500 can be programmed with site names, battery details and pass/warning/fail alarm set points for resistance measurements (pass/fail for voltage).

Specific gravity testing has never been this easy! Simply insert the nozzle into the battery and depress the finger pump which draws a few drops of sulfuric acid (H2SO4) through the tube. Within three seconds the measured refractive index is converted into a temperature compensated specific gravity reading and then both the specific gravity and temperature are displayed. The SBS-2003 has the added benefit of storing the results for future download via Bluetooth or USB.

- Full-color graphical user interface
- Powerful field diagnostics
- Bluetooth® communication
- Long-lasting Lithium-Ion power module
- Universal support for HART® and Foundation™ fieldbus devices
- works with each of the over 1,000 different HART and Foundation fieldbus instruments available from over 100 OEMs

Microprocessor: 80 MHz Hitachi® SH3
Memory: Internal Flash 32 MB
RAM: 32 MB
System Card: 1 GB secure digital card
Weight: Approximately 1.65 lb. (0.75kg) with battery
Display: 1/4 VGA (240 by 320 pixels) color, 3.5 in. (8.9 cm) transfective anti-glare coated display with touchscreen
Battery: Rechargeable Lithium-Ion power module
Battery Operating Time: 20 hours (continuous use), 40 hours (typical use), 80 hours (standby mode)
Battery Charger Options: Input V 100-240 VAC, 50-60 Hz

SPECIFICATIONS

MODELS / EXTRAS

- SBS-6500**.....\$5,520
Includes Pin probes, NiMH battery & charger, USB cable, Software, Carrying case.
- SBS 6500-CLAMP-PROBE**..... \$295
Clamp Probe Leads for Testing with SBS-6500.
- 6500-PIN-PROBES**.....\$295
Replacement Pin Probe Leads for SBS-6500.
- SBS 6500-PROBE-TIP**.....\$75
Replacement Pin Set for 6500-PIN-PROBES.
- SBS 6500-BATT**.....\$125
Spare NiMH Battery for SBS-6500.

- SBS-2003**.....\$2,395
Includes Three (3) silicone tubes, 9V battery, Adjustable hand strap, Case, Bluetooth to USB adapter.
- 2003/-SPR-PRT-KT**.....\$250
o-ring, sample chamber w/rubber pump, (3) 9" sample tubes
- 2002/3-HOL**.....\$75
Holster w/ belt for SBS-2003

Emerson 475.....Starts At \$4,642

475 Field Communicator Ordering Information:

MODEL	Product Description
475	Field Communicator
CODE	Communication Protocol
H	HART
F	F HART and Foundation fieldbus (2)
CODE	Battery Type
P	Rechargeable Lithium-Ion Power Module
CODE	Power Supply/Charger
1	1 Power Supply and Charger NiMH/Li-Ion (US/UK/EU conn. types included)
9	Not included
CODE	Product Certifications

KL	ATEX, FM, CSA and IECEx Intrinsically Safe (includes FISCO as applicable)
NA	No Approval
CODE	Easy Upgrade
U	Easy Upgrade (3 Year) Option
9	Not Included
CODE	Standard options
GM	Graphics (Included at No Charge)
	Device Configuration Management (Included at No Charge)
CODE	Bluetooth
T	Bluetooth Communication
9	No Bluetooth Communication
CODE	Options
A	Spare Rechargeable Lithium-Ion Power Module
S	Protective Rubber Boot with Stand

OPTIONS / EXTRAS



1051

8 Decade Wide Range Resistance Box

A precision low ohm resistance box designed for general laboratory work including platinum resistance thermometry. The 1051 is compact and durable, with range from 0.01Ω to 1MΩ and 0.1% best accuracy.



1040

8 Decade Wide Range Resistance Box

A popular wide range decade box covering 0 to 100MΩ in 1Ω steps, with 0.1% best accuracy. The 1040 is used in both industry and education, providing precision and reliability in all required applications.



1067

6 Decade Precision Resistance Box

A high accuracy resistance decade box ideal for PT100 simulation applications. Range is 0 to 12kΩ in 10mΩ steps, with ± 0.01% accuracy.



1070 | 1071

Decade Capacitance Boxes

Capacitance boxes suitable for applications in industry and education. The 1070 is a 5 decade model for 100pF to 100μF and the 1071 has 7 decades for 10pF to 100μF.

DESCRIPTION

DESCRIPTION

FEATURES

FEATURES

Range / Resolution: 0 to 100MΩ / 1Ω steps

Decade	0.01Ω	0.1Ω	1Ω	10Ω	100Ω	1kΩ	10kΩ	100kΩ
Accuracy	±10%	±5%	±1%	±0.5%	±0.1%	±0.1%	±0.1%	±0.1%
Max Current	1A	1A	1A	0.3A	0.1A	33mA	10mA	3mA

Residual Resistance: Less than 250mΩ
Power Rating: 1 watt per resistor
Voltage Rating: Maximum 250V DC/AC RMS
Temperature Coefficient: 50ppm/°C
Color coded digits, safety terminals
W8.4 x H3.9 x D4.7" • Weight: 2.2 lbs

Range / Resolution: 0 to 100MΩ / 1Ω steps

Decade	1Ω	10Ω	100Ω	1kΩ	10kΩ	100kΩ	1MΩ	10MΩ
Accuracy	±1%	±0.5%	±0.1%	±0.1%	±0.1%	±0.1%	±0.1%	±1%
Max Current	0.5A	0.3A	100mA	30mA	3mA	0.3mA	30μA	3μA

Residual Resistance: Less than 250mΩ
Power Rating: 1 watt per resistor
Voltage Rating: Maximum 250V DC/AC RMS
Temperature Coefficient: 50ppm/°C
Color coded digits, safety terminals
W8.4 x H3.9 x D4.7" • Weight: 2.2 lbs

Range / Resolution: 0 to 12kΩ / 10mΩ steps

Accuracy: ± 0.01%
Resistance: Less than 10mΩ - Less than 1mΩ variation
Power Rating: 0.35 watt per resistor
Stability: 20ppm/year (>1Ω), 100ppm/year (<1Ω)
Voltage Rating: Maximum 200V DC/AC RMS
Insulation: Case to resistance terminals 2kV / 50Hz max
Temperature Coefficient: 10ppm/°C (20ppm/°C below 1Ω)
W13.8 x H2.5 x D3.5" • Weight: 2.4 lbs

1070 Range / Resolution: 0 to 10 F / 100pF steps

1070 Residual Capacitance: Less than 38pF
1071 Range / Resolution: 0 to 100 F / 10pF steps
1071 Residual Capacitance: Less than 50pF
Accuracy: 1% (5% above 10μF on 1071)
Voltage Rating: Maximum 300V DC, 200V AC
Bi-polar working, color coded digits, safety terminals
W8.4 x H3.9 x D4.7" • Weight: 2.2 lbs

MODELS / EXTRAS

MODELS / EXTRAS

1051 Resistance Decade Box.....\$895

1040 Resistance Decade Box.....\$895

1067 : 6 Decade Precision Resistance Box.....\$1,675

1070 : 5 Decade Capacitance Box.....\$895

1071 : 7 Decade Capacitance Box.....\$995

1041 Resistance Decade Box.....\$695

A low ohm decade box covering 0 to 1kΩ in 0.01Ω steps, with 0.5% mid scale accuracy (see first 5 decades of 1051 table).

1061 : 6 Decade Resistance Box.....\$475

Slim line design with in-line read-out that has a range of 0 to 1.2MΩ in 1Ω steps, accuracy ±1%

1065 : 6 Decade Power Resistance Box.....\$1,750

0 to 120kΩ in 0.1Ω steps, best accuracy is 1%, and each resistor has a 10 watt power rating.

1053 : 4 Decade Inductance Box.....\$1,295

Range is 0 to 10H in 1mH steps.

Protective Rubber Boot.....\$44

Carrying Case.....\$125

NIST/UKAS Calibration Cert.....\$215

Protective Rubber Boot.....\$44

Carrying Case (1040).....\$125

NIST/UKAS Calibration Cert.....\$215

NIST/UKAS Calibration Certificate.....\$215

Protective Rubber Boot (1070, 1071).....\$44

Carry Case (1070, 1071).....\$125

NIST/UKAS Calibration Certificate.....\$215



1006 | 1007



1024



1017



1044

DC Millivolt Sources

DC Current Calibrator

Voltage/Current/Resistance Calibrator

Voltage and Current Calibrator

DESCRIPTION

High accuracy handheld millivolt sources primarily used for voltage injection or potentiometric voltage measurement (1007). Applications include thermocouple simulation and calibration of A/D converters and chart recorders.

A portable benchtop DC current source for calibration and test applications from nanoamp levels to 100mA. Applications include current transducer testing and calibration and linearity tests on digital and electronic current meters.

A portable multifunction calibrator with voltage, current, and resistance ranges. The 1017 is suitable for calibrating a wide range of instruments including thermocouples, transducers, transmitters, and platinum resistance thermometers.

A precision handheld calibrator that can be used as a general purpose current and voltage source. High performance and ease of use make it suitable for test engineers, R&D, service, and calibration technicians.

DESCRIPTION

FEATURES

- 3 ranges up to 1V
- Accuracy 0.02% of setting + 0.02% of range
- Best resolution 1µV
- 20mA output current
- Powered by 6 AA batteries
- 100 hours typical battery life
- Short circuit and overload protected
- Safety terminals
- LED null measuring facility (1007)
- H8.4 x W3.9 x D4.7" • Weight: 2.5 lbs

- 0 to 100mA output in 5 ranges
- Accuracy 0.02% of setting
- 10ppm/hr stability
- Up to 15V output drive
- 30ppm/°C temperature coefficient
- Safety terminals
- Null meter measures to 1µA resolution
- Battery or mains operation
- 12 hours typical use between charges
- W8.5 x H6.2 x D7.5" • Weight: 7.3 lbs

- DC Voltage 10nV to 100V
- DC Current 100nA to 100mA
- Resistance 10mΩ to 10kΩ
- Accuracy 0.005% of setting + 0.002% of rng
- 1ppm setting resolution
- Stability <5ppm/day, <25ppm/yr
- Noise <2ppm (0.1 to 1Hz)
- Deviation control Voltage and Current
- Battery or mains operation
- 12 hours typical use between charges
- W9.8 x H4.6 x D12.2" • Weight: 5.3 lbs

- Measure voltage and current
- Source voltage and current
- 3 voltage ranges 0 to 20V
- 3 current ranges 0 to 20mA
- Accuracy 0.05% of range
- 4.5 digit LCD display
- Battery powered 9V PP3
- 28 hours typical battery life
- Supplied with carry case
- H5.5 x W3.0 x D2.0" • Weight: 0.7 lbs

FEATURES

MODELS / EXTRAS

- 1006 DC Millivolt Source\$1,350
- 1007 DC Millivolt Potentiometer and Calibrator...\$1,750
- 1010 DC Voltage Calibrator.....\$2,250
- 0.01µV to 10V in 5 ranges / Accuracy 0.02% of setting.
- Protective Rubber Boot (1006, 1007).....\$44
- Carrying Case (1006, 1007).....\$125
- Rechargeable Battery Pack (1006, 1007).....\$160
- NIST/UKAS Calibration Cert (1006, 1007).....\$195
- Carrying Case (1010).....\$195
- NIST/UKAS Calibration Certificate (1010).....\$255

- 1024 DC Current Calibrator.....\$2,585
- 1021 Milliamp Source with Null Indicator.....\$1,725
- 0 to 100mA output in 3 ranges / Accuracy 0.02% of setting +0.02% of rating.
- 1077 Milliamp Transducer Simulator.....\$1,995
- 3 operating modes / 100mA source and load / 24V line mode / 0.02% accuracy.
- Protective Rubber Boot (1021, 1077).....\$44
- Carrying Case (1024).....\$215
- NIST/UKAS Calibration Cert (1024).....\$230
- Carrying Case (1021, 1077).....\$125
- Rechargeable Battery Pack (1021, 1077).....\$160
- NIST/UKAS Calibration Cert (1021, 1077).....\$195

- 1017 Voltage/Current/Resistance Calibrator.....\$2,825
- NIST/UKAS Calibration Cert.....\$290

- 1044 Voltage and Current Calibrator.....\$975
- 1030 Voltage and Current Source.....\$625
- 10mV, 100mV, 1V ranges / 10mA, 100mA ranges / Accuracy 0.1% of range.
- 110V Mains Power Supply (not charger) (1044).....\$85
- NIST/UKAS Calibration Cert (1044).....\$168
- Rechargeable Battery Pack (1030).....\$85
- NIST/UKAS Calibration Cert (1030).....\$128

MODELS / EXTRAS



1048



7006



1049



1090

Voltage and Current Calibrator

Loop-Mate 1 Loop Simulator and Source

PT100 Simulator

Multifunction Process Calibrator

DESCRIPTION

A compact voltage, current, and process loop calibrator for engineering, manufacturing, test, and process control applications. The 1048 combines digital accuracy with simple analogue control and is well suited to plant operations such as powering control loops.

A cost-effective handheld loop simulator that provides 4 to 20mA or 0 to 10V loop signals. Features include manual and automatic step modes with audible indication that changes pitch as the output increases/decreases.

A handheld precision simulator for PT100 0.3850 platinum resistance elements used for accurate temperature measurement. High performance metal film resistors are used throughout which ensures a good temperature coefficient and long term stability.

A portable, key-press operation instrument that combines source and measurement functions for thermocouples, RTDs, mV and mA. The 1090 features a memory storage function that holds frequently used values.

DESCRIPTION

FEATURES

Source/measure voltage and current
3 source ranges: 0 to 22mA and 0 to 22V
3 measure ranges: 0 to 70mA and 0 to 50V
Accuracy 0.02% of range
Transmitter simulator/sink loop control
Output steps and ramps
Fine adjustment (inching)
Battery powered 9V PP3, 20 hours typical use
H5.5 x W3.0 x D2.0" • Weight: 0.7 lbs

4 to 20mA or 0 to 10V ranges
Set-points: 0, 10, 25, 50, 75, 90, 100% of range
Accuracy 0.1% of range
TxSim or RxTest modes
Internal loop supply, 25mA maximum
Auto-stepping mode: up/down/up, 0.5, 1, 2, 4, or 8 sec/step
Battery powered 9V PP3, 40 hours of typical use
Supplied with carry case
H5.5 x W2.5 x D1.2" • Weight - 0.4 lbs

-200°C to +800°C with 23 set points
Accuracy ± 0.3°C
Less than 30ppm/°C temperature coefficient
ITS-90 IEC60751
Exceeds class A
Passive resistance source
°F version available - 1050
1050 Range: -100°F to 1000°F, ± 0.5°F accuracy
Carrying Case Included
H4.4 x W2.4 x D2.1" • Weight - 0.4 lbs

Measures/simulates 8 thermocouple types, PT 100-RTD, mV and mA
Displays units in °C, °F, μV/mV, or mA
Accuracy: Source 0.02% of range, 0.5°C.
Measure 0.05% of range, 0.7°C
Automatic or manual cold junction compensation
Inching and step functions with time configurable steps
Process loops 4 to 20mA and 0 to 50mA
Mains or battery operation, 60 hours typical use
Battery Charger and Carrying Case Included
H9.2 x W5.9 x D2.9" • Weight - 2.8 lbs

FEATURES

MODELS / EXTRAS

1048 Voltage and Current Calibrator.....\$995
7005 Voltage/Current/Loop Calibrator.....\$1,335
Current measure: 125mA, source 50mA / Voltage measure: 25V, source 21V / Accuracy: Source 0.01% of setting, Measure: 0.01% of reading.
110V Mains Power Supply (1048).....\$85
NIST/UKAS Calibration Cert (1048).....\$168
NIST/UKAS Calibration Cert (7005).....\$245

7006 Loop-Mate 1: Loop Simulator and Source.....\$410
7007 Loop-Mate 2: Loop Signal Indicator.....\$365
4 to 20mA, 0 to 10V, 0 to 50V ranges / LCD 4 digit display, mA, V, or % of range / Accuracy 0.05% of reading.
NIST/UKAS Calibration Cert.....\$162

1049 PT100 Simulator (°C).....\$550
1050 PT100 Simulator (°F).....\$550
7000 RTD Temperature Calibrator.....\$1,495
Measure and simulate °C, °F, °K, and ohms / PT100 plus 7 other RTD types / Temp Accuracy 0.05°C (0.09°F) / Resistance Accuracy 0.03Ω.
NIST/UKAS Calibration Cert (1049, 1050).....\$215
Mains Power Adaptor (7000).....\$95
NIST/UKAS Calibration Cert (7000).....\$270

1090 Multifunction Process Calibrator.....\$2,750
7050 Process/Thermocouple Calibrator.....\$6,300
Measure and simulate V, mV, mA, and ohms with the direct readout simulation of thermocouples and RTDs in °C or °F units.
NIST/UKAS Calibration Cert (1090).....\$255
NIST/UKAS Calibration Cert (7050).....\$595

MODELS / EXTRAS



5025E

Multifunction Calibrator



5075

Precision Digital Multimeter



CalBench

Multi-Purpose Calibration Benches

DESCRIPTION

A precision multi-product calibrator designed for wide calibration workload coverage at an affordable cost. Accurately test and verify both traditional and new test equipment with a calibrator that meets both technical and budget requirements.

A benchtop digital multimeter that combines high performance with simple operation. The 5075 easily measures from nanovolts to 10kV, from picoamps to 30 amps, from micro-ohms up to 1GΩ, from picofarads to 300μF, with up to 7 1/2 digit accuracy.

CalBench is the ultimate multifunction calibration station from Time Electronics. Each bench is custom-made to meet specific user requirements. Offering versatility and precision it is ideal for laboratories and workshops in need of multi-product testing that meets the highest industry standards. A wide range of modules can be fitted to the primary console creating a highly flexible system that is both functional and easy to use. Further expansion can be achieved by adding the secondary console, mounted under the primary. Calibration modules cover electronic signal, temperature, loop, and pressure applications.

DESCRIPTION

FEATURES

- 0 to 1050V AC/DC voltage
- 0 to 22A AC/DC current
- 10Ω to 1GΩ resistance
- PT100 and Thermocouple simulation
- Digital frequency
- Capacitance
- Optional adaptor for clamp meter calibration
- RS-232 and USB interfaces
- PC Virtual Control Software included
- Supplied with 5 piece test lead set
- W17.7 x H6.0 x D18.7" • Weight: 36.4 lbs

- 7 digit resolution
- 10nV to 10kV, 10pA to 30A
- Resistance, Capacitance, and Frequency
- 18ppm accuracy/best 1 year
- 10 channel low thermal emf scanner option
- PC/laptop control via EasyCal software
- GPIO interface (USB adaptor available)
- Rack mount kit option
- W16.5 x H3.5 x D16.2" • Weight: 18.7 lbs

- Common applications include the calibration of:
- Pressure:** Gauges, Calibrators, Transducers, Transmitters, Indicators, Switches, Valves.
- Temperature & Loop:** Sensors, Indicators, Thermocouple and RTD Transmitters, Calibrators, PRTs, Thermistors.
- Electrical/Electronic:** Multimeters, AC/DC Signal Sources, Clamp Meters, Tachometers, Ohmmeters, Decade Boxes.
- Frequency:** Signal Generators, Oscilloscopes, Frequency Meters, Timer Counters.
- And Much More:** Incorporate various test equipment for Flow, Level, Mass, Mechanical, Dimensional, and more.

- CalBenches are used in test facilities across the world. It provides customers with a high performance system for the necessary applications within their respective industries.
- Popular Industries:** Petrochemical, Power Generation, Oil & Gas, Manufacturing, Nuclear, Automation, Automotive, Aeronautics, Transport, Telecomms, Pharmaceuticals, R & D, Metrology, Process, and Education.
- Popular Locations:** Processing Plants, Offshore Platforms, Refineries, Power Plants, Engineer Training Centers, Schools and Universities, Calibration Laboratories, R & D Labs, Manufacturing Plants.

APPLICATIONS & INDUSTRIES

MODELS / EXTRAS

- 5025E Multifunction Calibrator.....Call For Pricing**
- 5025 Multifunction Calibrator.....CFP**
- 5051+ Multifunction Calibration System.....CFP**
- Common Options (5025E, 5025):**
- 9770 Scope Calibration (1mV to 200V, 0.1Hz - 100 MHz)
- 9797 Power Calibration (0-20KW AC and DC)
- 9780 External Clamp Meter Adaptor
- ECFLA EasyCal Calibration Software

- 5075 Precision Digital Multimeter.....Call For Pricing**
- 5065 Digital Multimeter (6.5 digit).....CFP**
- 5011 Resistance / Temperature Calibrator.....CFP**
- 5018 Programmable DC/AC V/I Calibrator.....CFP**
- 5045 Oscilloscope Calibrator.....CFP**
- 5077 Power Calibrator.....CFP**

- Pressure:** Precision calibrators, indicators, and controller modules. Ranges from vacuum to 600bar.
- Power Supplies:** Fixed and adjustable AC and DC power supplies, dual and programmable units.
- Loop & Temperature:** High accuracy loop calibrator modules with source, measure and sink functions. Temperature calibrators for measuring & simulating RTDs/thermocouples.
- Multifunction Calibrator and DMM Modules:** The 7051 provides high accuracy multi-product calibration and has an internal 6 1/2 digit multimeter. Also available are the 5065B (6 1/2 digit) and 5075B (7 1/2 digit) DMM modules.

- Additional Modules:** Further modules include oscilloscopes, frequency counters, function generators, and harmonics analyzers. Custom design modules can be fitted allows the user to integrate a familiar instrument into their system.
- External Options:** Pneumatic and hydraulic calibration pumps, pressure gauges, dead weight testers, dry block calibrators, pressure test kits, hoses and connectors, test lead sets, solder stations, vices, and much more.
- Accessories:** To improve usability and create a more efficient workspace drawers, cabinets, PC holders, tool holders for the perforated back panel, and more can be added. All fittings meet U.S. standard.

MODULE OPTIONS / EXTRAS

EAST HILLS INSTRUMENTS

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Westbury, NY 11590

T 516-723-9900
F 516-723-9910

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