2017 MASTER CATALOG

East Hills Instruments

This could be yours!
See back for details.
**Industrial True-RMS Multimeter with Temperature**

- **Fluke 87v**
  - True-RMS AC voltage and current
  - 4.5 digit mode for precise measurements
  - Multiple Ranges
  - Category III, 3000 V and Category IV, 600 V
  - 15 measurement functions: AC voltage w/ low-pass filter, DC voltage, Resistance, Continuity, Capacitance, Diode test, Min/Max/Avg, AC current (IFlex), Frequency

- **Fluke 787**
  - Resolution: 0.1 mV to 1.0 V
  - Accuracy: 0.2% Rdg ± 1 LSD (VDC)
  - Resistance: up to 40 MΩ
  - Overvoltage category: IEC 1010-1 CAT III

  **Features**
  - 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.

- **Fluke 279 FC**
  - Resolution: 0.1 mV to 1.0 V
  - Accuracy: 0.2% Rdg ± 1 LSD (VDC)
  - Resistance: up to 40 MΩ

  **Features**
  - 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 m away (no obstructions)

**ProcessMeter**

- **Fluke 87v**
  - Resolution: 0.1 mV to 1.0 V
  - Accuracy: 0.2% Rdg ± 1 LSD (VDC)
  - Resistance: up to 40 MΩ
  - Overvoltage category: IEC 1010-1 CAT III

  **Features**
  - Current Measurement, Current Source, & Voltage

  **Description**
  - 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.

**Digital Multimeter With Built-in Thermal Imager**

- **Fluke 279 FC**
  - Resolution: 0.1 mV to 1.0 V
  - Accuracy: 0.2% Rdg ± 1 LSD (VDC)
  - Resistance: up to 40 MΩ

  **Features**
  - 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 m away (no obstructions)

**Milliamp Process Clamp Meter**

- **Fluke 771**
  - Resolution: 0.01 mA
  - Accuracy: 0.2% Rdg ± 1 LSD (mA)
  - Overvoltage category: IEC-1010 Category II 300V rating

**Features**

- 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 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.

**MODELS / EXTRAS**

- **Fluke 87v**
  - Includes Test Leads, Holster, 9V battery, temperature probe, CD-ROM user’s manual and operator’s guide

- **Fluke 787**
  - Includes alligator clips, test lead set, Holster & Flex-Stand, 9V alkaline battery, Quick reference guide, Manual

- **Fluke 279 FC**
  - Includes Test Leads, Rechargeable Lithium Ion Battery and Charger

- **Fluke 771**
  - Includes soft carrying case

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**All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com**
**DESCRIPTION**

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

- **Pneumatic Calibration Combination Hand Pump**
  - Range: Vacuum 28"Hg to Pressure 600 PSI (40 Bar)
  - Compatible with all gauges and calibrators
  - Connections: 1/8" and 3/8" NPT/BSP
  - Includes 2 Year Quibble-Free Warranty
  - Weight: 2 lbs

- **Magnum Low Pro Volume Pressure Chamber**
  - Range: Near absolute vacuum (30"Hg to 80 PSI)
  - Resolution: 0.0001 PSI
  - Bench Mountable
  - Includes 2 Year Quibble-Free Warranty
  - Weight: 3.5 lbs

**FEATURES**

- **M-10**
  - Includes Pump, a black padded canvas case embroidered with orange thread, 3ft high pressure hose, fittings, 3 filters, test point, adaptor, and fluid bottle
  - Range: 0-10,000 PSI (700 Bar)
  - Connections: 3/4" NPT/BSP
  - Includes 2 Year Quibble-Free Warranty
  - Weight: 3 lbs
  - Price: $999

- **M-10KT**
  - Includes everything in the M-10KT plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $1,299

- **M-10WIN**
  - Includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors
  - Price: $2,289

- **M-10WIN-FIT**
  - Includes everything in the M-10WIN plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $2,799

- **M-10RK**
  - Rebuild Kit for M-10
  - Price: $1399

- **MVP-600**
  - Includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors
  - Price: $699

- **MVP-600KT**
  - Includes everything in the MVP-600KT plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $699

- **MVP-600WIN**
  - Includes everything in the MVP-600WIN plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $2,819

- **MVP-600WIN-FIT**
  - Includes everything in the MVP-600WIN-FIT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $2,399

- **MVP-600RK**
  - Rebuild Kit for MVP-600
  - Price: $140

- **M-90**
  - Includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors
  - Price: $1,375

- **M-90KT**
  - Includes everything in the M-90KT plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $1,495

- **M-90WIN**
  - Includes everything in the M-90WIN plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $2,819

- **M-90WIN-FIT**
  - Includes everything in the M-90WIN-FIT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $2,399

- **M-90RK**
  - Rebuild Kit for M-90
  - Price: $140

- **M-80**
  - Includes Pump, a black padded canvas case embroidered with orange thread, 2ft non-stretch hose, fittings, additional rubber bonded washers and (2) adaptors
  - Price: $2,497

- **M-80KT**
  - Includes everything in the M-80KT plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $2,999

- **M-80WIN**
  - Includes everything in the M-80WIN plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $3,499

- **M-80WIN-FIT**
  - Includes everything in the M-80WIN-FIT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $2,999

- **MP-P | MP-V**
  - 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
  - Price: $1,699

- **MP-PK | MP-VK**
  - Includes everything in the MP-P | MP-V plus Swagelok Hose & Fittings Kit
  - Price: $1,749

- **MP-PK | MP-VK**
  - Includes everything in the MP-P | MP-V plus Swagelok Hose & Fittings Kit
  - Price: $1,749

- **MP-PKIT | MP-VKT**
  - Includes everything in the MP-PKIT | MP-VKT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $1,996

- **MP-PKIT | MP-VKIT**
  - Includes everything in the MP-PKIT | MP-VKIT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $1,996

- **MK-1**
  - Includes everything in the MK-1 plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $1,499

- **MK-1KT**
  - Includes everything in the MK-1KT plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $1,499

- **MK-1WIN**
  - Includes everything in the MK-1WIN plus Winchester Engineering Model 3 Auto Ranging Digital Gauge™ w/ N.I.S.T certification and versatile hook
  - Price: $2,899

- **MK-1WIN-FIT**
  - Includes everything in the MK-1WIN-FIT plus FasTest universal quick connect kit and coupler for Swagelok tube fittings
  - Price: $2,399

- **MK-1RK**
  - Rebuild Kit for MK-1
  - Price: $140

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

**MODELS & OPTIONS**

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

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

- **Magnum Low Pro Volume Pressure Chamber**
  - Range: Near absolute vacuum (30"Hg to 80 PSI)
  - Resolution: 0.0001 PSI
  - Bench Mountable
  - Includes 2 Year Quibble-Free Warranty
  - Weight: 3.5 lbs

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  - Range: Near absolute vacuum (30"Hg to 80 PSI)
  - Resolution: 0.0001 PSI
  - Bench Mountable
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- **Combination Pressure • Vacuum Calibration Pump**
  - Range: 0 PSI to 100 PSI (7 Bar) | 28"Hg to 0 PSI
  - Compatible with all gauges and calibrators
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- **Combination Pressure • Vacuum Calibration Pump**
  - Range: 0 PSI to 100 PSI (7 Bar) | 28"Hg to 0 PSI
  - Compatible with all gauges and calibrators
  - Connections: 1/8" NPT/BSP
  - Includes 2 Year Quibble-Free Warranty
  - Weight: 1 lb

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

**Pneumatic Power Pump**

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.

**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
- “Quibble-Free” warranty

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP-4</td>
<td>Includes Pump, Manifold, (2) 1/8” high pressure hose, fittings</td>
<td>$2,999</td>
</tr>
<tr>
<td>PP-4WIN</td>
<td>Includes everything in the PP-4 plus Winchester Engineering Model 1 Auto Ranging Digital Gauge</td>
<td>$3,999</td>
</tr>
<tr>
<td>PP-4WIN2</td>
<td>Includes everything in the PP-4 plus Winchester Engineering Model 2 Wide Range Digital Gauge</td>
<td>$3,999</td>
</tr>
</tbody>
</table>

**Individual Swivel Style & FastCal Fittings**

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 FastTest fitting was developed for volume production of refrigeration components, where only seconds are allowed for connection, pressurization, and testing. 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.

- **F-15** – A 1/4” IEC thread specifically for use with the recessed hole in transmitters
- **F-16** – Attaches to transmitters after nut and ferrule is removed
- **F-17** – For 1/4” NPT internal (female) threads
- **F-18** – For 3/8” NPT external (male) threads
- **F-19** – For 1/4” NPT external (male) threads
- **F-20** – For 1/8” NPT internal (female) threads
- **F-22 (Kit)** – FastTest universal quick connect kit includes all of the above fittings inside a hard yellow carrying case

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HK-1</td>
<td>2’ Standard Hose for MP-P, MP-V, &amp; M-100 1/4” NPT male x 1/8” NPT female</td>
<td>$49</td>
</tr>
<tr>
<td>HK-600</td>
<td>2’ Standard Hose for MVP-600 &amp; M-80 1/8” NPT male x 1/4” NPT female</td>
<td>$78</td>
</tr>
<tr>
<td>HK-HP</td>
<td>3” High Pressure Hose</td>
<td>$195</td>
</tr>
</tbody>
</table>

The HP hoses are available in the following FITTINGS:
- mini mess female
- 1/4” NPT male
- 1/8” NPT female
- Test point 1/4” - connects to mini mess fitting

*Note: Please add 25G per extra foot.

**Regular & High Pressure Calibration Hoses**

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HK</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$54</td>
</tr>
<tr>
<td>HK-HP-2</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-3</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-4</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-5</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-6</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-7</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-8</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-9</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
<tr>
<td>HK-HP-10</td>
<td>1/8” NPT Female x 1/8” NPT Female</td>
<td>$195</td>
</tr>
</tbody>
</table>

**Models & Extras**

All Prices are Subject to Change. Call 1-800-921-9494 or visit [www.easthillsinstruments.com](http://www.easthillsinstruments.com)
Auto Ranging Digital Gauge™

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 (32-122°F)
Connections: 1/4” NPT Male
2 Year Quibble-Free Warranty
Weight: Under 2 lbs

Wide Range Digital Gauge

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

Like the Model 1, the Model 2 will replace the need to use many gauges of different ranges to achieve and maintain high accuracy. Model 2 also functions as an absolute pressure gauge. The auto-ranging technology uses multiple piezoresistive sensors to read the entire range using just one gauge. It will 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.

The Model 1 will replace the need to use many gauges of different ranges to achieve and maintain high accuracy. 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.

M-4 Analog Gauge

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

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.

M-2 Analog Gauge

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

All models are available in the following RANGES:

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-60 psi</td>
<td>Liquid Fillable + Glycerin Filled + NIST Calibration Certificate</td>
</tr>
<tr>
<td>0-150 psi</td>
<td>Liquid Fillable + NIST Calibration Certificate</td>
</tr>
<tr>
<td>0-300 psi</td>
<td>Liquid Fillable + NIST Certification</td>
</tr>
<tr>
<td>0-500 psi</td>
<td>Liquid Fillable</td>
</tr>
<tr>
<td>0-1,000 psi</td>
<td>Liquid Fillable</td>
</tr>
<tr>
<td>0-2,000 psi</td>
<td>Liquid Fillable</td>
</tr>
<tr>
<td>0-3,000 psi</td>
<td>Liquid Fillable</td>
</tr>
<tr>
<td>0-5,000 psi</td>
<td>Liquid Fillable</td>
</tr>
</tbody>
</table>

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**HART Communicator**

- Reads manufacturers DDs in their native format
- Enhanced 4” 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

**Smart Manometer**

- Handheld, high-precision, digital manometer with an accuracy of up to ±0.025% of full scale
- Engineering Units: inH2O, PSI, mmHg, inHg, mBars, Bars, Kpa, kg/cm2, cmH2O

**Wet/Wet Smart Manometer**

- 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

**Enhanced Rotary Gas Meter Tester**

- Recallibration for zero, span and linearity
- 2-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

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**Meriam MFC**

- __________________________ $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

**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 1,000 PSI
- Compound: From -35 up to and including +3,000 PSI
- Absolute: From 0 up to and including 1,000 PSI

**Meriam M200-DI**

- __________________________ $1,600
- Includes protective red boot, batteries
- The M200-DI is available in the following RANGES
- 0-1 PSI-D (0-28” H2O)*
- 0-5 PSI-D (0-131” H2O)
- 0-15 PSI-D (0-435” H2O)
- 0-30 PSI-D (0-810” H2O)
- 0-300 PSI-D (0-278” H2O)
- 0-800 PSID
- 0-1500 PSID

**Meriam M201**

- __________________________ $1,199
- 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).....$2,125
- All models include protective red boot, batteries

**East Hills Instruments**

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# East Hills Instruments

## Pressure Source

**SOURCE 3000**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>DESCRIPTION</th>
<th>MODELS / EXTRAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-contained nitrogen cylinder</td>
<td>Overpressure Protection regulator</td>
<td>Works with all pressure calibrator models</td>
</tr>
</tbody>
</table>

**CYLinderREGulator**

<table>
<thead>
<tr>
<th>FEATURES</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Maximum Primary Inlet Pressure: 3,000 PSIG (206.9 Bar)</td>
<td>Low Torque required by operator for pressure adjustment</td>
<td>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</td>
</tr>
</tbody>
</table>

# Dry Block Temperature Calibrator

**ThermCal400**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>DESCRIPTION</th>
<th>MODELS / EXTRAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range: 25°C - 400°C (20°C ambient)</td>
<td>Stability: ±0.02°C (25°C - 200°C); ±0.04°C (200°C - 400°C)</td>
<td>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</td>
</tr>
</tbody>
</table>

# Temperature Calibrator

**ThermCal130**

<table>
<thead>
<tr>
<th>FEATURES</th>
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<th>MODELS / EXTRAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range: 4 to 266°F (-20 to 130°C)</td>
<td>Accuracy: ±0.4°C</td>
<td>Stability: ±0.05°C Lightweight and portable for use in the field CE marked for safety Designed &amp; manufactured in the USA L8 x W9 x H10” - Weight: 3 lbs</td>
</tr>
</tbody>
</table>

## Pricing

- **Source 3000** $4,275
- **CylindertREGulator**
  - CYLREG 500 (0-500 PSIG Output) $595
  - CYLREG 1000 (0-1000 PSIG Output) $599
  - CYLREG 2000 (0-2,000 PSIG Output) $649
  - CYLREG 3000 (0-3,000 PSIG Output) $799
- **Tool Hose Canvas Cover** $45
- **Quick-connect for Pressure Trap** $389
- **2 High Pressure Hoses w/ Fittings** $499
- **Pressure Trap** $625
- **ThermCal400** $1,395
  - Includes ThermCal400, multiwell aluminum insert, insert extractor, power cable, carrying strap, instruction manual, and traceable calibration certificate
- **Insert Blank** $160
- **Insert 5 x 3/4” holes** $195
- **Insert 2 x 25/8” & 2 x 3/8” holes** $195
- **Insert 3 x 3/4” & 2 x 7/8” holes** $195
- **Insert 1 x 3/4” hole** $195
- **Insert 1 x 9/16” & 1 x 3/4” holes** $195
- **Insert 1 x 5/8” & 1 x 3/4” holes** $195
- **Insert 1 x 3/8” & 1 x 3/4” holes** $195
- **Soft sided carrying case with insert pockets** $345
- **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 5/32” x 4 deep** $65
- **Insert 3/8” x 4 deep** $65
- **Soft sided carrying case with insert pockets** $345

All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com
### MODELS / EXTRAS

<table>
<thead>
<tr>
<th>PIE 850</th>
<th>PIE 830</th>
<th>PIE 820</th>
<th>PIE 525B</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-50 mA Multifunction Process Calibrator</td>
<td>High Accuracy Multifunction Diagnostic Calibrator w/ Dual Display</td>
<td>Multifunction Process Calibrator</td>
<td>Automated Thermocouple &amp; RTD Calibrator</td>
</tr>
</tbody>
</table>

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 cannot 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.

---

### FEATURES

- **Calibrate with Confidence**
  - Accurate to ±0.02% of Reading + 0.05% 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 0.2°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 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, milliamp 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.

- **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.

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The PIECAL 334+ powers up the 2-Wire transmitter or loop and indicates the total current and the uncontrolled current. This provides information useful to troubleshoot loop errors.

Calibrate Milliamp Instruments
Source 0.00 to 24.00 mA & 25 to 125% of 4-20 mA, Read 0.00 to 52.00 mA, Read 99.99 to 99.99 V, Simulate 2-Wire Transmitter, Power & Read Transmitters, Menu Selectable 250 Ohm resistor for HART compatibility.

Calibrate with Accuracy
Accurate to (±0.02% of Reading + 0.002 mA)

Easy-to-Read Backlit Display

Locate Loop Current Leakages
Automatic indication of Loop Current and Leakage Current. Measure ground current leakage from faulty wiring, flooded conduit and corrosion bridges. Leakage typically appears as a Zero Shift and helps you decide if the transmitter needs calibration or if there is a problem in the loop wiring.

Faster Calibrations
Three output EZ-CHECK switch, 2 speed EZ-DIAL, Stepping & Ramping. Includes Rubber Boot & Test Leads.

PIE 334+..................................................................$1,099
includes rubber boot, custom carrying case, test leads, batteries, calibration certificate.

AC Adaptor 100-240v, 60Hz..............................................$60
NiMh Charger & 4 “AA” batteries 120v 60Hz.................$80

PIE 434.....................................................................$1,099
includes rubber boot, custom carrying case, batteries, calibration certificate, and test leads.

AC Adaptor 100-240v, 60Hz..............................................$60
NiMh Charger & 4 “AA” batteries 120v 60Hz.................$80

PIE 311.....................................................................$1,499
PIE 311 can also read nickel 130 & 120 Ohm, 0.00 to 4003 Ohm, Custom ranges available. Consult Factory.

Both include rubber boot, custom rubber case, batteries, calibration certificate, and RTD Wire Kit.

PIE 331+ ..................................................................$995

PIE 311 ......................................................................$995

PIE 332-1 ..................................................................$3,399

Both include rubber boot, custom carrying case, batteries, calibration certificate, and RTD Wire Kit.
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIE 235</td>
<td>Process Voltage Calibrator</td>
<td>$849</td>
</tr>
<tr>
<td>PIE 541</td>
<td>Frequency Calibrator with Totalizer</td>
<td>$1,549</td>
</tr>
<tr>
<td>LOOPY 5000</td>
<td>Portable 24V Loop Power Supply</td>
<td><strong>$199</strong></td>
</tr>
<tr>
<td>LOOPY 6000</td>
<td>Portable 24V Loop Power Supply</td>
<td><strong>$199</strong></td>
</tr>
</tbody>
</table>

**Features**

- **Pie 235:**
  - Voltage range: 0.00 mV - 20.000 V
  - Current range: 0.00 mA - 20.00 mA
  - Power supply: 100 V DC

- **Pie 541:**
  - Frequency range: 0.00 Hz - 20.000 Hz
  - True RMS: ±0.0001% of range accuracy

- **Loopy 5000:**
  - Power supply: 100 V DC
  - Batteries: 199 mV to 25.000 V
  - Battery life: 125 hours under typical usage

- **Loopy 6000:**
  - Power supply: 100 V DC
  - Batteries: 199 mV to 25.000 V
  - Battery life: 125 hours under typical usage

**Why the Loopy?**

- Doesnt tie up a second loop calibrator.
- Great for isolated loops.
- Light/Easy to carry.
- Compare to Transcat Model #21090E.
**Features**

- **Differential Calibrator**
  - Available on some ranges
  - Accuracy: ±0.05% of FS (±125 % of last 0.01 % of FS)
  - Units: mbar, Pa, kPa, mmHg, inH2O, inHg
  - Works with Leica precision measurement equipment
  - Temperature compensated 0 °C to 50 °C
  - Humidity: ±2% (±0.1 % of last 1% RH)
  - 50 °C.
  - Power supply unit
  - Remote commands through USB
  - Internal memory (up to 10,000 measurements)
  - Software level Windows is also available with support for PC.

- **Digital Handheld Manometer**
  - Available in gauge, differential and absolute pressure
  - Accuracy: ±0.1% of FS
  - Units: bar, psi, kPa, mmHg
  - Measuring range: 0-1000 psi, 0-1100 bar, 0-500 kPa
  - Pressure, humidity, temperature, altitude, wind speed (atmospheric pressure)

- **Meteo Station**
  - Available in gauge, differential and absolute pressure
  - Accuracy: ±0.1% of FS
  - Units: bar, psi, kPa
  - Measuring range: 0-2000 bar, 0-1100 psi, 0-435 kPa
  - Pressure, humidity, temperature, altitude, wind speed (atmospheric pressure)

- **Bench Top Digital Manometer**
  - Available in gauge, differential and absolute pressure
  - Accuracy: ±0.1% of FS
  - Units: bar, psi, kPa
  - Measuring range: 0-2000 bar, 0-1100 psi, 0-435 kPa
  - Pressure, humidity, temperature, altitude, wind speed (atmospheric pressure)

- **Pressure Calibrator**
  - Available in gauge, differential and absolute pressure
  - Accuracy: ±0.1% of FS
  - Units: bar, psi, kPa
  - Measuring range: 0-2000 bar, 0-1100 psi, 0-435 kPa
  - Pressure, humidity, temperature, altitude, wind speed (atmospheric pressure)

- **Integrated Data Memory**
  - Data Log Memory for 10,000 measurements
  - Peak Value Storage, min/max
  - Temperature compensated 0 °C to 50 °C
  - Rechargeable battery

- **Software**
  - Available for Windows
  - Data printout possible without PC and Windows
  - Clock, data transfer to PC, PC remote control facility,
  - Humidity, temperature with simultaneous display of barometric pressure,
  - Also be observed, measured and evaluated along with over and under pressure.

- **Applications**
  - Medical technology, Laboratories, Universities, Diagnostics.
  - Foodstuff industry, Laboratories, Universities, Diagnostics.
  - Aerospace Industry, Laboratories, Universities, Diagnostics.
  - Pharmaceutical Industry, Laboratories, Universities, Diagnostics.
  - Medical Industry, Laboratories, Universities, Diagnostics.
  - Chemical & Petrochemical Industry, Laboratories, Universities, Diagnostics.
  - Geology, geodesy, measurement, technique, aviation, metrology, heating, ventilation, air conditioning, industry, Laboratories, Universities, Diagnostics.
  - Agriculture, forestry, horticulture, animal husbandry, education, research, industry, Laboratories, Universities, Diagnostics.

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All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com
**MIT 1025**

**DC Insulation Resistance Testers**
- 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
- CAT IV 600 V safety rating

**Features**
- Clamps
- Insulated clips, USB cable, PowerDB lite software
- Insulation resistance tester for the diagnostic testing, maintenance of high voltage electrical equipment.

**Description**
- 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 MIT 1025 also offers various diagnostic tests such as Polarisation index, Dielectric Absorption Ratio, Step Voltage, Dielectric discharge and ramp testing.

**Models / Extras**
- 5 and 15 kV DC

**MIT 220015**

**5 and 15 kV DC Dielectric Test Sets**
- Compact and portable
- Air insulated, no oil
- ±12% accuracy
- Leakage current measurement as low as 0.1 mA
- 0 to 122°F (-17.7 to +50°C) operating temperature

**Features**
- 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

**Description**
- 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.

**Models / Extras**
- 5 and 15 kV DC

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**MIT 400 Series**

**Industrial Maintenance Insulation and Continuity Testers**
- The MIT 400 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 MIT 400 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.

**Features**
- Bluetooth download
- CAT IV 600 V safety rating

**Models / Extras**
- Includes carrying case, carrying strap - wrist loop, user guide CD, calibration check accessory, batteries.

**DET 14C / DET 24C**

**Earth/Ground Clamp-on Resistance Tester**
- 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**
- Uses ground resistance from 0.05 Ω to 1500 Ω and ground leakage current from 0.5 mA rms - 35 A rms

**Models / Extras**
- Includes carrying case, carrying strap - wrist loop, user guide CD, calibration check accessory, USB IRDA dongle, USB extension lead, PowerDB Lite software.
### Personal Four Gas Monitor

- **GX-2009**
  - The smallest and lightest 4-gas monitor in the world.
  - Weighing only 4.6 ounces, it fits in the palm of your hand 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.

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

- **GX-6000**
  - 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

### SIX Gas Sample Drawing Monitor

- **EAGLE 2**
  - 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.

### Confined Space Multi Gas Monitor

- **GX-2012**
  - Internal sample drawing pump with up to 50' range
  - Vibration, visual, and audible alarms
  - Bump test and calibration reminder with lock out option
  - Up to 600 hours of datalogging with alarm trends
  - Snapshot on demand data recording

---

**Features**

- Large capacity data logging standard (100 records)
- 20 hours of operation
- Large LCD display screen & Automatic backlighting
- Intrinsically safe, CSA, C/US classified IECEx / ATEX
- 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
- Up to 600 hours of datalogging with alarm trends
- Snap-logging - on demand data recording

**Descriptions**

- **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 $3,945
  - Includes rubber boot, belt clip, hand strap, tapper nozzle, probe with hydrophobic & dust filter 3’ teflon lined hose

- **EAGLE 2**
  - Starts At $3,945

- **GX-2012**
  - Starts At $845

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All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com
Features

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/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.

Description

The SBS-6500 is an advanced storage battery resistance testing instrument for use with both lead-acid and nickel-cadmium batteries. It includes built-in specific gravity testing allowing you to have complete battery analysis without having to carry additional equipment.

Specifications

- 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

Options / Extras

- SBS-6500 CLAMP-PROBE: Clamp Probe Leads for Testing with SBS-6500
- SBS-6500-PROBE-TIP: Replacement Pin Set for 6500-PIN-PROBES
- SBS 6500-BATT: Spare NiMH Battery for SBS-6500
- SBS-2003: Digital Hydrometer
- SBS-2002/3: Digital Hydrometer
- 2003/SPR-PRT-KT: o-ring, sample chamber w/rubber pump, (3) 9” sample tubes
- 2003/HOL: Holster w/belt for SBS-2003
- Emerson 475: Field Communicator

Ordering Information:

- 475 Field Communicator: Starts At $4,642

Options:

- X: 475 Battery Kit
- X: 475 Battery Charger
- X: ATEX, FM, CSA and IECEx Intrinsically Safe
- X: Device Configuration Management (Included at No Charge)

Contact:

East Hills Instruments
1-800-921-9494
www.easthillsinstruments.com
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.

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.

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

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.
### DC Millivolt Sources

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006 DC Millivolt Source</td>
<td>$1,350</td>
</tr>
<tr>
<td>1007 DC Millivolt Potentiometer and Calibrator</td>
<td>$1,750</td>
</tr>
</tbody>
</table>

### DC Current Calibrator

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024 DC Current Calibrator</td>
<td>$2,585</td>
</tr>
</tbody>
</table>

### Voltage/Current/Resistance Calibrator

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1017 Voltage/Current/Resistance Calibrator</td>
<td>$2,825</td>
</tr>
</tbody>
</table>

### Voltage and Current Calibrator

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1044 Voltage and Current Calibrator</td>
<td>$1,975</td>
</tr>
</tbody>
</table>

### MODELS / EXTRAS

- **FEATURES**
  - 3 ranges up to 1V
  - Accuracy 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
  - H8.4 x W3.9 x D4.7" - Weight: 2.5 lbs

- **DESCRIPTION**
  - 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 1µA resolution
  - Battery or mains operation
  - 12 hours typical use between charges
  - W8.5 x H6.2 x D7.5" - Weight: 7.3 lbs

- **FEATURES**
  - DC Voltage 10nV to 100V
  - DC Current 100mA to 100mA
  - Resistance 10mΩ to 10kΩ
  - Accuracy 0.005% of setting + 0.002% of range
  - 1ppm setting resolution
  - Stability <0.2ppm/day, <25ppm/yr
  - Noise <2ppm (0.1 to 1kHz)
  - 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

- **DESCRIPTION**
  - 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

### MODELS / EXTRAS

- **MODELS / EXTRAS**
  - 106 DC Millivolt Source
  - 107 DC Millivolt Potentiometer and Calibrator
  - 1010 DC Voltage Calibrator
  - 1011 Milliamp Source with Null Indicator
  - 1077 Milliamp Transducer Simulator
  - Protective Rubber Boot
  - Carrying Case
  - NIST/UKAS Calibration Cert
  - NIST/UKAS Calibration Certificate
  - Rechargeable Battery Pack
  - Voltage and Current Source
  - Voltage and Current Calibrator

### MODELS / EXTRAS

- **MODELS / EXTRAS**
  - All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com
<table>
<thead>
<tr>
<th>MODELS / EXTRAS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage and Current Calibrator</td>
<td>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.</td>
</tr>
<tr>
<td>Loop-Mate 1</td>
<td>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.</td>
</tr>
<tr>
<td>PT100 Simulator</td>
<td>A handheld precision simulator for PT100. 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.</td>
</tr>
<tr>
<td>Multifunction Process Calibrator</td>
<td>A portable, key-press operation instrument that combines source and measurement functions for plant operations such as powering control loops.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODELS / EXTRAS</th>
<th>FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1048 Voltage and Current Calibrator</td>
<td>Source/measure voltage and current 3 source ranges: 0 to 22V, 0 to 10V, 0 to 50V 23 set points: 0, 10, 25, 50, 75, 100, 100%, of range 0.01% of range TxD and RxTest modes Internal loop supply, 25mA maximum Auto-stepping mode: up/down, 0.5, 1, 2, 4, or 8 sec/step Battery powered 9V PP3, 40 hours of typical use Supplied with carry case</td>
</tr>
<tr>
<td>7005 Voltage/Current/Loop Calibrator</td>
<td>Source/measure voltage and current 3 source ranges: 0 to 22V, 0 to 10V, 0 to 50V 23 set points: 0, 10, 25, 50, 75, 100, 100% of range 0.01% of range TxD and RxTest modes Internal loop supply, 25mA maximum Auto-stepping mode: up/down, 0.5, 1, 2, 4, or 8 sec/step Battery powered 9V PP3, 40 hours of typical use Supplied with carry case</td>
</tr>
<tr>
<td>1090 Multifunction Process Calibrator</td>
<td>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</td>
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<thead>
<tr>
<th>MODELS / EXTRAS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1048 Voltage and Current Calibrator</td>
<td>NIST/UKAS Calibration Cert (7005) $245</td>
</tr>
</tbody>
</table>

All Prices are Subject to Change. Call 1-800-921-9494 or visit www.easthillsinstruments.com
<table>
<thead>
<tr>
<th>MODELS / EXTRAS</th>
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</thead>
<tbody>
<tr>
<td><strong>Multifunction Calibrator</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Precision Digital Multimeter</strong></td>
<td>A benchtop digital multimeter that combines high performance with simple operation. The 5075 easily measures from nanovolts to 10kV, from picocamps to 300μF, with up to 7 1/2 digit accuracy.</td>
</tr>
<tr>
<td><strong>CalBench</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Multi-Purpose Calibration Benches</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

### FEATURES

<table>
<thead>
<tr>
<th>5025E Multifunction Calibrator</th>
<th>( \text{5075 Precision Digital Multimeter} )</th>
<th>( \text{Call For Pricing} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 1050V AC/DC voltage</td>
<td>7 digit resolution</td>
<td>10μV to 10kV, 10μA to 30A</td>
</tr>
<tr>
<td>0 to 150 resistance</td>
<td>( \text{Resistance, Capacitance, and Frequency} )</td>
<td>38ppm accuracy/best 1 year</td>
</tr>
<tr>
<td>PT100 and Thermocouple simulation</td>
<td>10 channel low thermal emf scanner option</td>
<td>18 channel low thermal emf scanner option</td>
</tr>
<tr>
<td>Digital frequency</td>
<td>PC/laptop control via EasyCal software</td>
<td>GPIB interface (USB adaptor available)</td>
</tr>
<tr>
<td>Capacitance</td>
<td>Rack mount kit option</td>
<td>( \text{W}16.5 \times \text{H}3.5 \times \text{D}16.2^\prime ) - Weight: 36.4 lbs</td>
</tr>
</tbody>
</table>

### APPLICATIONS & INDUSTRIES

- **Popular Industries:** Petrochemical, Power Generation, Oil & Gas, Manufacturing, Nuclear, Automation, Automotive, Aeronautics, Transport, Telecommunications, Pharmaceautical, 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.

### COMMON OPTIONS

- **5025E:**
  - 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:**
  - 5065 Digital Multimeter (6 1/2 digit)
  - 5021 Resistance / Temperature Calibrator
  - 5028 Programmable DC/AC V/I Calibrator
  - 5045 Oscilloscope Calibrator
  - 5077 Power Calibrator

### MODULE OPTIONS / EXTRAS

- **Options:**
  - 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.

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**Receive a FREE 1965 Mustang Convertible.**

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