

MARTEL - Accuracy by Any Measure



Calibration Technology Starts Here

Martel Electronics offers a diversified line of hand held and bench calibrators, process instruments, process indicators, and power supplies manufactured to the highest quality standards for the process industry and OEM applications.

Throughout our growth, we have maintained our small business, customer-oriented approach in all phases of product development, manufacturing, quality control and after sales service. Computer aided design, in-house software and surface mount capability enable Martel to offer "smart products in small packages", and maintain cost effective manufacturing practices. Everyone at Martel is actively engaged in quality control, to assure that only the highest quality materials and components are used - and that they receive the most reliable products available.

As a strategic partner to some of the leading OEM's serving the process industry, Martel provides them with a proven source of innovative product development that results in a product incorporating the very latest technology, and built to Martel's high quality standards, all within a realistic time frame.

Call us today for full details on our custom product design and manufacturing services to enhance your existing product line. This Martel Electronics Catalog has been developed to give you a complete view of our product line, with a concise explanation of each products capability, to help you perform at total efficiency and productivity.

Our product line on the following pages is presented in the following order:

Multifunction:

MC-1200 DMC-1400 MasterCal 990 MC-1000

▲ Pressure:

BetaGauge 330
BetaGauge 321 & 311
BetaGauge 301
BetaGauge II
Pressure Modules
BetaGauge PI
T-140 & DPC-30 & 100

▲ Temperatures:

PTC-8001 TC-100

▲ Current / Voltage:

LC-100 IVC-222HPII & MS-420

Bench:

M3001 M2000A

Pumps:

MECP100 MECP500 MECP10K

▲ Legacy Products:

PSC-4000 T-150

Contact us via:

Toll Free: 800-821-0023 Phone: 603-434-1433 Fax: 603-434-1653

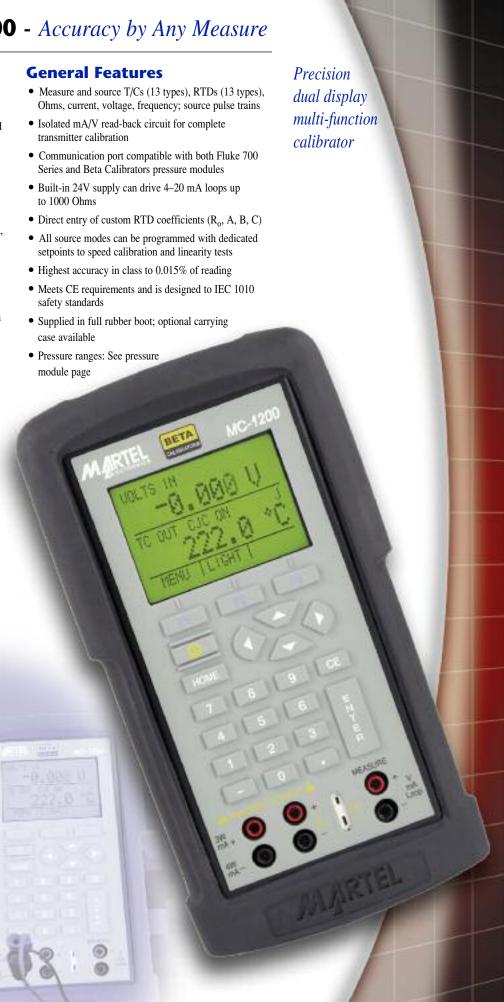
Email: sales@martelcorp.com Website: www.martelcalibrators.com

MARTEL Beta MC-1200 - Accuracy by Any Measure

The MC-1200

provides a feature set unmatched in high accuracy, hand-held calibrators in its price range. The MC-1200 Calibrator provides the functions and accuracy associated with fixed-installation, laboratory instruments, and has everything needed for virtually any calibration task. Measure and source thermocouples, RTDs, current, voltage, and frequency, and source pulse trains. A communications port compatible with both Fluke® 700 Series and Beta Calibrators pressure modules is provided, as is an isolated mA/V read-back circuit. Arrow keys, direct numeric keypad entry, and three software-driven function buttons, plus a large backlit, menu-driven graphics display combine to provide a highly intuitive, simple yet powerful operator interface. Built-in 250 Ohm resistor for HARTTM compatibility, compatibility with smart transmitters and PLCs, full fuseless protection, are just some of the additional features that make the MC-1200 the single, most indispensable tool available for virtually any calibration task. The MC-1200 is supplied in a tough, rubber boot; a carrying case is also available as an option.

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a MC-1200 brochure
- Or go to our website, www.martelcalibrators.com and click on MC-1200
- Online Demo





MARTEL Beta MasterCAL 990 - Accuracy by Any Measure **General Features** Precision The MasterCal 990 Precision multi-function calibrator and HARTTM First and foremost, the MasterCAL 990 is a precision, multi-function configurator/communicator in one hand-held instrument multi-function documenting calibrator that will documenting • Measure/read thermocouple, RTD, Ohms, DC Voltage calibrate virtually any process instrument you have and current, pressure, and frequency calibrator thermocouples, RTDs, Ohms, Voltage, current, Source/simulate thermocouple, RTD, Ohms, DC Voltage pressure, and frequency. A host of convenience and HART™ and current, pressure, and frequency features, including source ramp functions, loop power, • Multi-lingual interface-English, French, German, Italian, configurator/ and Spanish variable density data logging with a week's worth of communicator calibration results storage, compatibility with many • Calibration automation and documentation with many popular third-party software packages third-party calibration documentation software in one hand-held programs, and a built-in HART configuration/ **HART Protocol Features** instrument communicator, make the MasterCAL 990 an • Universal, common practice and device-specific commands indispensable tool. • Point-to-point and multi-drop operation · Automated HART sensor and output trim • Read HART PV in digital mode A large, white backlit LCD provides simultaneous • Read and write HART configuration functions display of input and output. Menu-driven, "soft" · Read and clone transmitter configuration • Re-tag smart transmitters function keys provide rapid setup and measurement. • Pressure ranges: See pressure The multi-lingual interface ensures the MasterCAL 990 module page is useful in as broad a range of applications and locations as possible. A high capacity rechargeable battery pack provides extended usage. An optional battery eliminator is available for extended monitoring applications. The MasterCAL 990 is housed in an over-molded urethane case that provides a solid grip and protection against "hard knocks". For more information: - Call us toll free at 800-821-0023 or 603-434-1433 - Fax us at 603-434-1653 - Email us at sales@martelcorp.com and ask for a MasterCal 990 brochure - Or go to our website, www.martelcalibrators.com and click on MasterCal 990

MARTEL Beta MC-1000 - Accuracy by Any Measure The MC-1000 High **General Features** • ±0.4 °C thermocouple/±0.3 °C RTD accuracy provides the combination of a high accuracy calibrator accuracy and common DMM functions. This single instrument • ±0.015% of reading electrical accuracy multi-function will calibrate virtually any process device - read and • Ten (10) T/C types and eight (8) RTD types, plus calibrator source thermocouples, RTDs, Ohms, Voltage, current, YSI 400 frequency, pressure - and test continuity as well. The · Read and source modes MC-1000 is compatible with 29 Fluke® 700 Series • Full Function 4 to 20 mA read, source, simulate, and and Beta Calibrator pressure modules with the read/power modes with ±0.015% of reading accuracy addition of a simple connector / adapter. The MC-1000 • Source or read 0 to 20 Volts (±0.015% of reading accuracy) features a simple user interface, large display, and an RS232 interface. • Measure 0 to 250 VDC or VAC • Direct keyboard entry enables quick output changes • Store up to nine (9) setpoints for each output function • RTD function compatible with all pulsed transmitters • RS232 interface • Supplied in full rubber boot; optional carrying case available • Pressure ranges: See pressure module page For more information: - Call us toll free at 800-821-0023 or 603-434-1433 - Fax us at 603-434-1653 - Email us at sales@martelcorp.com and ask for a MC-1000 brochure - Or go to our website, www.martelcalibrators.com and click on MC-1000 - Online Demo - Online product comparison

MARTEL BetaGauge 330 - Accuracy by Any Measure

The BetaGauge 330

The BetaGauge 330 is a revolution in pressure calibration technology for the process industries. With the 330, technicians have a small, lightweight calibrator that generates from high vacuum to 150 PSI using a high performance integral electric pump.

Gone is the drudgery of manual pumping or using large, heavy and unwieldy boxes with limited portability and poor battery life.

The BetaGauge 330 has a form factor only slightly larger than Martel's popular BetaGauge 321 and weighs in at a mere 2.5 pounds. The housing is contoured to easily fit a technician's hand with good balance top to bottom.

Performance doesn't stop with the pump. The BetaGauge 330 provides ±0.025% of full scale accuracy on its internal, isolated pressure sensor. Temperature compensation on its

internal sensor ensures accuracy in field applications. An external pressure module connection supports all 29 ranges of BetaPort-P pressure modules for even greater measurement capability

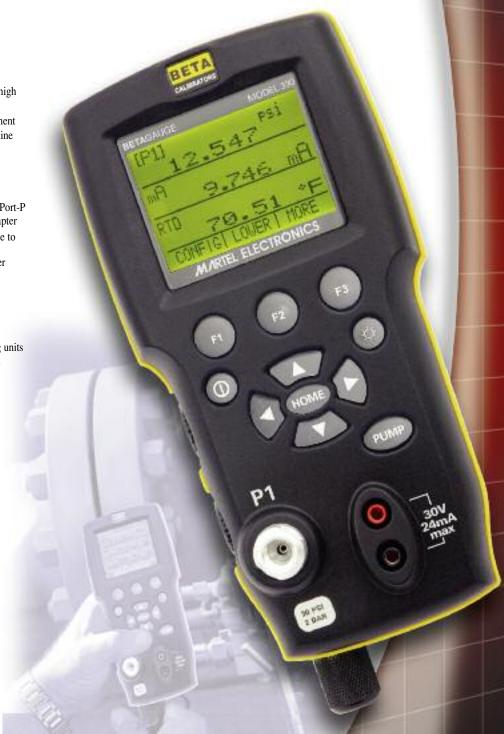
The 330 comes in 3 ranges of 30 PSI, 150 PSI and 300 PSI. The 300 PSI version uses a manually operated handpump.

Like all Martel calibrators, the BetaGauge 330 comes from the factory ready to go to work with batteries installed, NIST traceable calibration certificate, test leads, connection hose, fittings, deluxe carrying case and user manual. Fingertip
Pressure
Calibration with
Integral
Electric Pressure
Pump

General Features

- Integrated battery operated pneumatic pump generates high vacuum (-12 PSI/-0.8Bar) to 150 PSI/10 Bar
- Accuracy of 0.025% of full scale on pressure measurement
- Compact rugged design operates on eight (8) AA Alkaline batteries
- Only 8" high x 4" wide x 2-3/8" deep (20 cm x 10 cm x 6 cm)
- Lightweight at just 2.5 pounds (1.2 kg)
- External pressure module interface supports all 29 BetaPort-P pressure modules using optional BPPA-100 module adapter
- Pt100 RTD input for temperature measurement, accurate to 0.2°F (0.1°C) (measurement only)
- Source or measure 4-20 mA including 2 wire transmitter simulation
- 24 VDC instrument loop power supply
- Store and recall 5 user defined setups
- Large graphic LCD with backlight
- Ideal for gas custody transfer flow meter applications
- Pressure displayed in the user's choice of 16 engineering units
- · Automatic switch test using internal or external sensors
- IP 56 rating
- Percent error function
- HARTTM loop load resistor (user selectable)

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a BetaGauge 330 Pressure brochure
- Or go to our website, www.martelcalibrators.com and click on BetaGauge 330





MARTEL BetaGauge 301 - Accuracy by Any Measure

The BetaGauge 301

The BetaGauge 301 is a general purpose, value oriented pressure calibrator. With one internal pressure range and an available adapter for external BetaPort-P pressure modules, the possibilities are extensive.

Available Ranges and Engineering Units

The available internal sensor ranges are: 1, 5, 30, 00 and 300 PSI. Note: 30 and 100 PSI ranges are calibrated from-12 PSI to full scale.

Pressure may be displayed in the user's choice of engineering units, which include:

- PSI • Bar
- MPa • kPa
- cm H₂O@4°C/ • cm H₂O @ 60°F
- H₂O @ 20°C
- in H₂O @ 4°C
- in H₂O @ 60°F
- ft H₂O @ 20°C • Hg, in Hg
- Bar
 - kg/cm²
 - cm H₂O @ 20°C
 - 2O @ 4°C

 - H₂O @ 60°F • in H₂O @ 20°C
 - ft H₂O @ 4°C
 - ft H₂O @ 60°F

General Features

- One isolated pressure sensor
- External pressure module connection supports all BetaPort-P pressure modules (25+ ranges)
- Internal 24 V DC loop power supply
- Measure 24 mA or 30 V DC
- Large, backlit, configurable display for 1, 2 or 3 variables
- Switch test on Pressure (internal or external)
- Five (5) frequently used setups can be saved
- % error and damping functions
- Compact handheld design
- Powered by 4 AA Alkaline batteries





- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a BetaGauge 301 Pressure brochure
- Or go to our website, www.martelcalibrators.com and click on BetaGauge 301

MARTEL BetaGauge II - Accuracy by Any Measure A wide range of software Precision The BetaGauge II makes BetaGauge II a is unmatched by any device in its price range. For the documenting majority of its available ranges, it has a typical pressure full-featured documenting modular accuracy of 0.025% fullscale and an electrical accuracy calibrator pressure of ±0.01%. That makes it four times more precise than By automating pressure calibrations via a variety of the instruments it is used to calibrate, including 0.10% calibrator popular software packages, BetaGauge II users can create a accuracy smart pressure transmitters. Even so, centralized database for reporting and analyzing instrument BetaGauge II is priced competitively with distant second maintenance tasks. Automation saves time and money, 0.05% pressure calibrators. The closest devices more while resulting in better performing instrumentation. accurate are far more expensive - lab instruments not included for field use, such as quartz gauges used to BetaGauge II, like other Beta Calibrators, is compatible calibrate other calibrators. with most leading calibration management software, including ASTEC Cornerstone™, Emerson Asset Yet remarkably, best-of-class accuracy is but one Management System (AMSTM), and Honeywell Intrinsically of many reasons for specifying DocumentTM. Safe Model BetaGauge II. In addition, Beta supplies the Field Calibrator Interface Available! Standard (FCINTF), which provides communications with other FCINTF compatible software. Pressure Ranges: see pressure module page BetaGauge For more information: - Call us toll free at 800-821-0023 or 603-434-1433 - Fax us at 603-434-1653 - Email us at sales@martelcorp.com and ask for a BetaGauge II brochure - Or go to our website, www.martelcalibrators.com and click on BetaGauge II

BETA Pressure Modules - Accuracy by Any Measure

The Pressure Modules

Beta offers 29 standard pressure modules, covering gauge, vacuum, absolute, compound, and differential measurements.

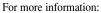
All modules are directly compatible with the BetaGauge II and BetaFLEX. With the Model BPPA-100 BETA Port Pressure Adapter, the modules are fully compatible with the BetaGauge 301, BetaGauge 311, BetaGauge 321, Martel MC-1200, Martel MC-1000, Martel M2001, MasterCal 990, DMC-1400 and 3001.

Pressure ranges may be displayed in any of 13 user-selectable units. Water density correction factors of $4 \, ^{\circ}\text{C}$, $20 \, ^{\circ}\text{C}$, or $60 \, ^{\circ}\text{F}$ can be selected for either water column unit.

General Features

- 29 standard ranges
- Gauge, vacuum, absolute, compound, and differential measurements from inches H20 to 10,000 psi
- Accuracy specified over 15 °C to 35 °C range
- Isolated and non-isolated measurements, range dependent
- .025% full scale accuracy

Precision digital pressure modules



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- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a Beta Pressure Module brochure
- Or go to our website, www.martelcalibrators.com and click on Beta Pressure Module

BetaPort-P PRESSURE





MARTEL Beta T-140 - Accuracy by Any Measure

The T-140

is part of the Martel Electronics Tuff-Tools line of calibrators and is designed to give technicians the laboratory-grade accuracy in a family of rugged, easy-to-use instruments.

The T-140 Pressure Calibrator is available in several ranges; 10" H₂0, 200" H₂0, and 30, 100, 300, and 3,000 psi. Operation of these calibrators is made easy through the use of a sealed membrane keypad with simple controls. When combined with a Martel MECP 100, MECP 500, or MECP 3000 Hand Pumps, the T-140 Kit makes a great package to handle your pneumatic calibration requirements.

For more information:

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a T-140 brochure
- Or go to our website, www.martelcalibrators.com and click on T-140

General Features

- · High accuracy gauge and differential capability
- Rugged, dust tight, water-resistant case
- Isolated SS sensors on 300 psi and 3,000 psi units
- Easy to read Super-Twist LCD



Precision

pressure

calibrator/

MARTEL DPC-30 & DPC-100 - Accuracy by Any Measure

The Martel DPC-30 & DPC-100

are highly accurate digital calibrators for pneumatic field instrumentation, including valve actuators, P/I transmitters, controllers, gauges, switches, and recorders. It is especially suitable for checking 3 to 15 psi systems. Its dual precision regulators enable output of set and variable pressures to control devices, while the switching manifold allows fast selection among the pressure ports. The unit simultaneously displays pressure and either mA or VDC, and has a built-in loop power supply. Accuracy is 0.035% of full scale for all ranges.

For more information:

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a DPC-30 or DPC-100 brochures
- Or go to our website, www.martelcalibrators.com and click on DPC-30 or DPC-100

General Features

- Works with compressed plant air
- 0.001 psi resolution, 0.035% accuracy
- Dual digital display psi & mA or voltage
- Gage, differential, and vacuum modes
- · Selectable engineering units
- · Pressure switch test
- Rugged case to withstand factory floor environment

Precision pneumatic calibration system

small, lightweight, and accurate take your test bench to the field!



MARTEL Beta PTC-8001 - Accuracy by Any Measure **The PTC-8001 General Features** Precision • Calibrate thermocouples and RTD's with one unit The Martel PTC-8001 Precision Temperature Calibrator universal is an ideal device to handle all of your temperature • Works with Rosemount 3144 and all other smart temperature calibration needs in a truly rugged, low-cost package. transmitters calibrator It combines virtually all widely used thermocouples and • Direct keyboard entry or scroll control of output RTD's in one device - you'll never have to worry about · User-defined setpoints finding a temperature device you can't calibrate. This is • High accuracy ±0.4 °C J T/C and ±0.3 °C PT 100 -385 especially true when calibrating "smart" or pulsed RTD RTDs; all errors included transmitters, where many other calibrators fail to work • Ten (10) T/C types and eight (8) RTD types including or operate at reduced accuracy specs. The PTC- 8001 PT 385 (1,000 Ohm) and Cu (10 Ohm) handles those applications with ease. • NEMA 4 rated case, rugged design • RTD simulation works with all pulsed (smart) transmitters • YSI 400 series thermistor range for medical applications • Standard mini-plug connections for T/C · Standard banana jack connections for RTDs • Store up to nine (9) setpoints for each output function • RS232 interface • Supplied in full rubber boot; optional carrying case available For more information: - Call us toll free at 800-821-0023 or 603-434-1433 - Fax us at 603-434-1653 - Email us at sales@martelcorp.com and ask for a PTC-8001 brochure - Or go to our website, www.martelcalibrators.com and click on PTC-8001 - Online product comparison

MARTEL Beta TC-100 - Accuracy by Any Measure

The TC-100

The Martel Electronics TC-100 Thermocouple Calibrator provides high accuracy and measurement of ten common thermocouples, as well as mV. The TC-100's accuracy of $\pm 0.3~^{\circ}\text{C}$ for Type J T/Cs includes all errors, at resolutions of 0.01 °C or °F in measure mode and 0.1 °C or °F in source mode. Features including MIN/MAX recall in measure, mode, three setpoints per thermocouple range, a large knob for decade control of the output in source mode, and the ability to accept bare T/C wires in addition to mini-plug inputs, makes the TC-100 an accurate, easy-to-use instrument for all your thermocouple calibration needs.

General Features

- High accuracy- ±0.3 °C (Type J T/C all errors combined)
- Ten (10) common T/C types plus mV
- Accepts both T/C mini-plug and bare T/C wires
- Simple decade control of output
- Three setpoints for each T/C type
- MIN/MAX recall in measure mode
- Input protection to 240VAC
- Supplied in full rubber boot; optional carrying case available

Precision thermocouple calibrator



For more information:

Or go to our website, www.martelcalibrators.com
 and click on TC-100

- Online Demo





MARTEL IVC-222HPII & MS-420 - Accuracy by Any Measure

The IVC-222HPII

The Martel Electronics IVC-222HPII Voltage/Current Calibrator is a general purpose current and voltage source that can be used in engineering, manufacturing, test, and process control applications. It combines both digital and analog circuitry to achieve its rated specifications in a small, reliable package.

The IVC-222HPII has the capability to store and recall up to two setpoint values, the SP1 and SP2 keys. An RS-232 port accessed via a custom cable (available from Martel) allows the calibrator to be computer controlled for automated testing.

General Features

- Remarkable 0.015% of reading accuracy
- Four ranges: 200 mV, 2 V, 20 V and 24mA
- Intuitive, easy-to-use controls
- RS-232 interface allows computer control
- Built-in 24 V supply can drive 4 to 20 mA loops over 1,000 Ohms
- Rugged, lightweight, hand-held unit
- Includes test leads, carrying case, 9 V battery, NIST
- Full rubber boot with optional carrying case Certificate, and instruction manual

For more information:

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a IVC222HPII or MS420 brochure
- Or go to our website, www.martelcalibrators.com and click on IVC-222HPII or MS-420

MS-420

The Martel Electronics MS-420 Mini-Source Portable Calibrator is a multi-purpose process loop tool that offers high accuracy in an ultra-small, rugged package.

A single pushbutton selects one of five current outputs (4, 8, 12, 16, or 20 mA), which can drive up to 300 Ohms, or can act as a 2-wire simulator with an external loop power supply of up to 30 VDC.

Each unit is provided with a 9 V battery, NIST Certificate, and instruction manual.

Precision
voltage/current
calibrator
&
Mini-source
portable
calibrator





MARTEL 3001 - Accuracy by Any Measure

The 3001

The Martel 3001 Bench Calibrator combines the power and features of the M2000 voltage/current calibrator, with the addition of thermocouple, RTD, and pressure calibration, for a single laboratory calibration instrument unmatched in versatility, performance, and value. As with every Martel calibrator, the 3001's world-class performance and features are accessed through a very simple-to-use, intuitive user interface. The Martel 3001 is truly a "process calibration laboratory in a box."

Need similar performance for voltage and current only?

If your calibration needs are limited to voltage and current, the Martel M2000 Bench Calibrator provides all of the performance, functionality, and ease of use of the 3001.

General Features

- Superior calibration accuracy to 0.0025% of reading
- Direct keyboard entry or cursor entry with decade control
- Source/Read thermocouple (13), RTD (9), Voltage, Current, Pressure (read only)
- Custom RTD and SPRT profiles
- Nine (9) setpoints for each output range and type
- Beryllium-Copper binding posts reduce thermal EMFs
- RS232, USB and IEEE-488 remote control
- Compatible with Fluke Met/Cal® software
- Isolated measurement channel
 - Two (2) voltage ranges: 10V and 100 V DC
 - MilliAmp range 0 to 52 mA
 - MilliAmp range with simultaneous
 24 VDC power
 - **−** Selectable 250 Ohm HART[™] resistor
 - Accuracy of 0.005% of reading on voltage ranges



MARTEL M2000A - Accuracy by Any Measure

The M2000A

- Fax us at 603-434-1653

click on M2000A

- Email us at sales@martelcorp.com and ask for a M2000A brochure

- Or go to our website, www.martelcalibrators.com and

The Martel M2000A Bench Calibrator sets a new standard in lab calibrator value — the M2000A features the accuracy and stability of calibration sources costing twice as much — and provides useful features no other calibrator offers in its class! Despite its world-class performance and powerful operating features, the M2000A Calibrator is very simple to setup and use.

General Features

- Superior Calibration accuracy
- Direct keyboard entry or cursor entry with decade control
- Automatic standby function protects device under test
- Nine (9) manual/automatic setpoints per output range
- Tellurium-Copper binding posts reduce thermal EMFs to $<1\mu V$
- Local or RS232 remote control
- IEEE-488 control
- Compatible with Fluke Met/Cal® software
- Optional rack/panel mount kit available

Voltage current lab standard calibrator





The MECP Series of pneumatic and hydraulic test pumps are high performance hand operated pumps that allow the user to generate both pressure and vacuum for precise testing of pressure instrumentation including transmitters, pressure switches, etc.

The pneumatic pumps allow pressures in excess of 100 or 600 PSI (model-dependent) to be generated with just a few strokes of the pump. By changing the switching valve to vacuum, a range of -27" Hg is available.

The MECP10K Hydraulic Pressure Test Pump works with a variety of hydraulic fluids or even water to easily generate test pressures up to 10,000 PSI (700 Bar). It uses a unique fully adjustable stroke control to allow for fast priming or filling of test systems, and then switching as needed to a smaller stroke for easier pumping at high pressure.

The output pressure of all pumps can be fine tuned using the vernier control. A precision needle valve allows controlled venting for exacting pressure calibration requirements.

All pumps features NPT connections for ease of use. See specifications for details.

In addition to the bare pump, all pump models are offered in kit form with a hard sided carrying case and a flexible connection hose with appropriate fittings.

General Features

- Generate both pressure and vacuum
- Generate -27 "Hg to 100 or 600 PSI, model-dependent
- Generate hydraulic pressure from 0 to 10,000 psi
- Completely isolated vernier prevents heat transfer from hand
- · Precision valve for bleed control
- Pneumatic pumps include user-friendly, field serviceable, and replaceable check valves
- Ergonomic design makes it easy to pump, even at high pressure

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at sales@martelcorp.com and ask for a Pump brochure
- Or go to our website, www.martelcalibrators.com and click on MECP100, MECP500, or MECP10K

PSC-4000 Voltage & Current Calibrator - *Accuracy by Any Measure*

The Martel Electronics PSC-4000 Process Calibrator

is a portable, hand-held, full function voltage and current calibrator with the capability to both read and simulate common process control signals.

The PSC-4000 incorporates multiple input/ output ranges for both current and voltage operating modes. When operated in the current mode, the calibrator can source, simulate, or read over a 0 to 24 mA range, with 0.01 mA resolution. It can also supply 24 VDC to power a two-wire transmitter, while simultaneously reading back its output both in milliAmps or % of full scale. When operated in the voltage range, the PSC-4000 can read or source over two ranges, 0 to 20.00 V, or 0 to 200.0 mV.

Features:

- Reads and simulates process control signals
- Memory for three (3) calibration points in each range
- Multiple input/output ranges for current and voltage modes
- Built-in 24 VDC source for powering two-wire transmitters
- Accuracy of 0.025% FS ± 1 LSD
- Large 32 character dot matrix display
- Test leads, carrying case, 4 AA batteries, NIST Certificate, and instruction manual included

Calibration Technology Starts Here



T-150 Frequency Calibrator - Accuracy by Any Measure Calibration **T-150 – Frequency Calibrator Technology** The T-150 frequency calibrator can generate or read frequencies ranging from 1 count per minute to $100\ kHz$ allowing it to be used for a wide range of flow measuring instrumentation. Starts Here The Tuff-Tools line of calibrators is designed to give the technician laboratory grade accuracy in a family of rugged, easy to use instruments. Operation of this calibrator is made easy through the use of a sealed membrane keypad with simple controls. The outputs are set through the use of step and ramp keys which allows both large and small output changes to be made with ease. For more information: - Call us toll free at 800-821-0023 or 603-434-1433 - Fax us at 603-434-1653 - Email us at sales@martelcorp.com and ask for a T-150 brochure - Or go to our website, www.martelcalibrators.com and click on T-150

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please visit:

www.martelcalibrators.com

