

# MARSH

## INSTRUMENTATION

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# Process Calibrators

Martel Calibrators, a division of 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.

MULTIFUNCTION

### MasterCal 990 HART Communicator



The MasterCal 990 HART Communicator is a precision, multi-function documenting calibrator that will calibrate virtually any process instrument you have thermocouples, RTDs, Ohms, Voltage, current, pressure, ETC...

### DMC-1400 Documenting Multifunction Calibrator



The DMC-1400 Documenting Multi Function Process Calibrator fully documents all calibrations associated with fixed installation and laboratory instruments. The DMC-1400 Calibrator requires no special software and includes a tough, rubber boot.

### MC-1200 Multifunction Calibrator



The MC-1200 Multifunction Calibrator provides the functions and accuracy associated with fixed-installations, laboratory instruments, and has everything needed for virtually any calibration task.

### MC-1000 Process Calibrator



The MC-1000 Process Calibrator provides high accuracy calibration, common DMM functions including read and source thermocouples, RTDs, Ohms, current, pressure, frequency and test continuity.

PRESSURE

### BetaGauge 321 Temperature & Pressure Calibrator



The temperature pressure calibrator provides pressure measurement flexibility over any competitive unit. It provides 0.025% FS accuracy on both internal, isolated and stainless steel pressure sensors.

### The BetaGauge 311 Advanced Pressure Calibrator



The BetaGauge 311 Advanced Pressure Calibrator is a general purpose, high accuracy pressure calibrator with special features intended to facilitate calibration of mass flow computers.

### BetaGauge 301 Single Sensor Pressure Calibrator



The Single Sensor Pressure Calibrator is a general purpose value oriented pressure calibrator. With one internal pressure range and an available adapter for external BetaPort-P pressure modules.

### BetaGaugePI & NEW PIR Digital Pressure Calibration Gauges



The pressure calibration gauge combines the accuracy of digital technology with the simplicity of an analog gauge, and achieves performance, ease-of-use, and rich feature set.

### DPC-30 Digital Pressure Calibrator



The digital pressure calibrator is a highly accurate, digital calibrator for pneumatic field instrumentation, including valve actuators, P/I transmitters, controllers, gauges, switches, and recorders.

### BetaGauge II Modular Pressure Calibrator



The Modular Pressure Calibrator has a typical pressure accuracy of 0.025% fullscale and an electrical accuracy of  $\pm 0.01\%$ .

### Pressure Calibrator Modules



The Pressure Modules offers 25 standard pressure modules, covering gauge, vacuum, absolute, compound, and differential measurements.

### T-140 Pressure Manometer



The pressure manometer is designed to give technicians the laboratory-grade accuracy in a rugged, easy-to-use instrument.

TEMPERATURE

### PTC-8001 RTD & Thermocouple Calibrator



The RTD & Temperature Calibrator can handle all of your temperature calibration needs in a truly rugged, low-cost package.

### TC-100 Thermocouple Calibrator



The Thermocouple Calibrator provides high accuracy and measurement of ten common thermocouples, as well as mV.



# NEW

### 3001 Bench Standard Calibrator

This Precision Lab Calibrator combines the power and features of a lab calibrator, with the addition of an isolated measurement channel. This isolated measurement channel consists of two (2) voltage ranges: 10V and 100V DC, MilliAmp range 0 to 52 mA, MilliAmp range with simultaneous 24VDC power, selectable 250 Ohm HART resistor and accuracy of 0.005% of reading on voltage ranges.

#### Precision Lab Calibrator Features

- 0.0025% Calibration Accuracy
- Source/Read thermocouple, RTD, Voltage, Current and Pressure
- Custom RTD and SPRT profiles
- RS-232, USB and IEEE-488 remote control
- Compatible with Fluke Met/Cal® Software
- Isolated Measurement Channel
- See also; M2000A for V/I Lab Standard only

Tag ID: TT-145  
Calibrated: 2006-05-31  
Manufacturer: HP1-X212  
Serial Number: 456987  
Technician: BILL  
Ambient conditions:  
Temperature: 71  
Other Information: 2

CURRENT/VOLTAGE

### LC-100 Current Loop Calibrator



The Current Loop Calibrator an accuracy of 0.015% and a 0.001 mA resolution. The loop calibrator can simulate, power, and measure two-wire transmitters.

With automatic Step and Ramp functions, the precision loop calibrator also enables remote calibration of 4-20mA devices.

### IVC-222HP11 Voltage Current Calibrator



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

### MECP100, MECP500, MECP10K Pneumatic and Hydraulic Hand Pumps



This range of pneumatic and hydraulic pumps are designed to provide a simple to use pressure and vacuum source for calibrating process control instrumentation.



# MARTEL ELECTRONICS

For additional information  
please visit our web-site at  
[www.marshinst.com](http://www.marshinst.com)

PUMPS