MultiCal™

Pressure Modules

A Cost Effective Alternative to Expensive Discrete Calibrators

Features

- *Accurate*
  To 0.05% of reading.
- *Liquid and Gas compatible*
  316 SS diaphragm sensor.
- *6 Pressure Modules*
  "H_2O to 3000 PSI Gage, Vacuum & Absolute.
  SI units available.
- *Works with most Multimeters*
- *Field Tough & Reliable*
  Chosen for the Space Shuttle & Space Station.

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35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001

Got a multimeter?

Measure pressure with your meter & a MultiCal!

CRYSTAL

MultiCal Pressure Modules

You ***have*** a multimeter. You may have a current clamp. You might even have an adapter that lets you measure temperature with your DMM. But can you measure ***pressure*** with your meter?

Yes, you can. With MultiCal pressure modules. Chosen by NASA for the Space Shuttle and International Space Station, these modules convert your meter into an accurate pressure measuring system.

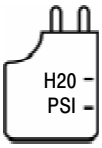
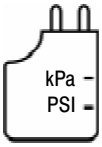
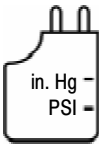
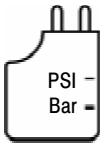
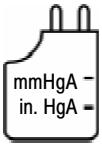
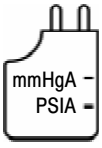
If your meter can measure DC millivolts, you can measure pressure. Each modules' output is 1 mV per unit. For example: 100 inches of water will read 100 millivolts on your meter. These modules are available in 6 different versions for all of the most common ranges - from inches of water to 3000 PSI.

They're not expensive - less than most modules for dedicated pressure calibrators. MultiCals are specified in percent of reading, just like your meter, so a single module can replace a number of test gauges. And they are accurate - up to 0.05% of reading. Better than most calibrator modules. Really.

MultiCals are rugged too. All of the modules use stainless steel diaphragm sensors, so you can use them to measure liquid as well as gas pressure. The optimized circuit design is both efficient and reliable - they'll run on a single 9V battery for 400 hours or more.

So go ahead. Add a MultiCal to ***your*** meter. You'll be pleased you did.

Specifications and Ordering Information

Model	Ranges:	Accuracy
	0 to 830 "H_2O:	± (0.05% of reading + 0.1"H_2O)
	0 to 30 PSI:	± (0.05% of reading + 0.01 PSI)
	30 to 50 PSI:	± (0.25% of reading)
	0 to -14.7 PSI:	± (0.5% of reading + 0.02 PSI)
	Max Pressure:	100 PSI
		ORDER MODEL H20/PSI
	0 to 200 kPa:	± (0.05% of reading + 0.025 kPa)
	0 to 30 PSI:	± (0.05% of reading + 0.01 PSI)
	30 to 50 PSI:	± (0.25% of reading)
	0 to -14.7 PSI:	± (0.5% of reading + 0.02 PSI)
	Max Pressure:	100 PSI
		ORDER MODEL kPa/PSI
	0 to 30 "Hg:	± (0.1% of reading + 0.01"Hg)
	0 to -30 "Hg:	± (0.1% of reading + 0.01"Hg)
	0 to 500 PSI:	± (0.1% of reading + 0.02 PSI)
	0 to -14.7 PSI:	± (0.25% of reading)
	Max Pressure:	1000 PSI
		ORDER MODEL Hg/PSI
	0 to 3000 PSI:	± (0.1% of reading + 0.2 PSI)
	0 to -14.7 PSI:	± (0.5% of reading)
	0 to 206 bar:	± (0.1% of reading + 0.02 bar)
	0 to -1 bar:	± (0.5% of reading)
	Max Pressure:	4500 PSI
		ORDER MODEL BAR/PSI
	0 to 760 mmHgA:	± (0.08% of reading + 0.2 mmHg)
	0 to 30 "HgA:	± (0.08% of reading + 0.01"Hg)
	30 to 60 "HgA:	± (0.25% of reading)
	Max Pressure:	100 PSIA
		ORDER MODEL "HgA/mmHgA
	0 to 760 mmHgA:	± (0.08% of reading + 0.2 mmHg)
	0 to 30 PSIA:	± (0.08% of reading + 0.01 PSI)
	Max Pressure:	100 PSIA
		ORDER MODEL mmHgA/PSIA

CE

Mechanical Specifications

Power

Battery: One standard 9V carbon or alkaline battery.
Battery Life: 400+ hours (alkaline battery).

Enclosure

Weight: 3 oz., 85 grams
Dimensions: 2 $^1/_2$" x 4 $^5/_8$", 4 mm plugs on $^3/_4$"centers

Pressure Connections

2 x $^1/_8$" NPT (Female) except BAR/PSI: 1 x $^1/_8$" NPT

Media Compatiblity

Liquids and gases compatible with PTFE (Polytetrafluoroethylene) penetrated, hard anodized, aluminum (transducer housing), 316 stainless steel, buna-n (O-ring).

Standard factory calibration is 1"H_2O @ 4°C = 0.036126 PSI. Specify at time of order if your required conversion is different from standard (e.g., for water @68°F, 1"H_2O = 0.036063 PSI).

Durable & Functional
Every MultiCal™ Series Module comes with a protective leather holster case and cord set, 9V battery (installed), and operating instructions.

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