

MultiCal

Pressure Modules

Enable your meter to work harder.



Measure pressure with your multimeter

You have a multimeter.

You may have a current probe. 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.

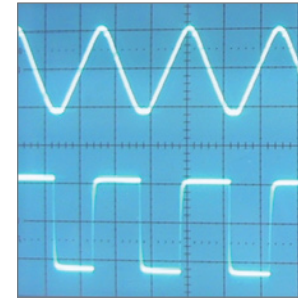
With MultiCal pressure modules.

If your meter can measure DC millivolts, you can measure pressure. Each module's output is 1 mV per unit. For example: 100 inches of water will read 100 millivolts on your meter. These modules are available in 4 different versions for many common ranges and units, including inHg, mmHg, and psi.

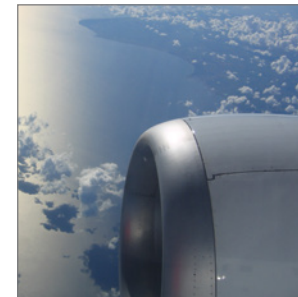
MultiCals are rugged too. All of the modules use stainless steel diaphragm sensors, so you can use them to measure liquid as well as gas pressure. The optimized circuit design is both efficient and reliable — they'll run on a single 9-volt battery for 400 hours or more.

The highest expectations.

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



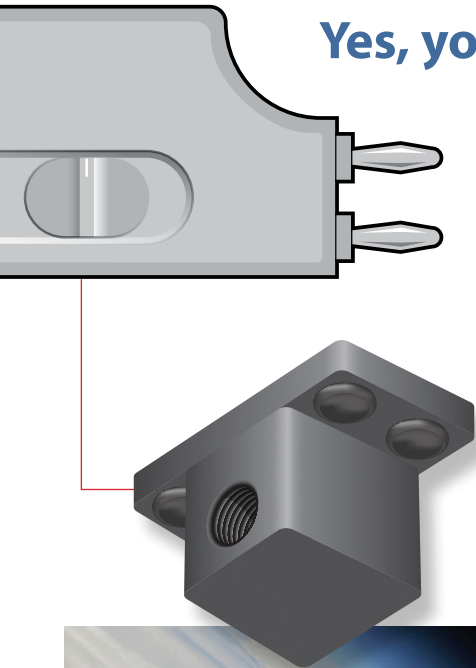
The analog signal is clean, accurate and fast, so you can even use MultiCals with oscilloscopes to measure dynamic pressure.



MultiCal's dynamic pressure measurements are used extensively in the automotive and aerospace industries.



A great value; MultiCals are less expensive than most modules for dedicated calibrators.



Select your unit

Current-to-Pressure measurement in units you can use.

Gauge Pressure



H₂O/PSI

Accuracy

- 0 to 830 inH₂O: $\pm(0.05\%$ of reading + 0.1 inH₂O)
- 0 to 30 psi: $\pm(0.05\%$ of reading + 0.01 psi)
- 30 to 50 psi: $\pm(0.25\%$ of reading)
- 0 to -14.7 psi: $\pm(0.5\%$ of reading + 0.02 psi)
- Over-pressure: 100 psi

Gauge Pressure



Hg/PSI

Accuracy

- 30 to 30 inHg: $\pm(0.1\%$ of reading + 0.01 inHg)
- 0 to 500 psi: $\pm(0.1\%$ of reading + 0.02 psi)
- 0 to -14.7 psi: $\pm(0.25\%$ of reading), typical
- Over-pressure: 1000 psi

Absolute Pressure



mmHgA/PSIA

Accuracy

- 0 to 760 mmHgA: $\pm(0.08\%$ of reading + 0.2 mmHgA)
- 0 to 30 psiA: $\pm(0.08\%$ of reading + 0.01 psi)
- Over-pressure: 100 psiA



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