



meriam[®]
process technologies

A trusted leader in measurement
& calibration solutions.



meriGauge[®] *plus*

The meriGauge[®] plus Digital Pressure Gauge is the perfect solution for multi-range pressure measurement needs.

As the only modular gauge on the market, the meriGauge plus delivers significant cost savings by allowing users to purchase a single gauge and add only the pressure ranges they need. With 10 interchangeable Smart Sensors available (15 psi – 3,000 psi), the meriGauge plus is actually multiple gauges in one device, creating the flexibility and lowest cost of ownership only Meriam can provide.

Easy to Use

- Icon based, simple buttons
- Gauge works with all meriSense sensors
- Portable or fixed installation, even in narrow spaces

Easy to Read

- Concisely displays more info at a glance
- High visibility from a distance
- Crisp digital readout in any or no light

meriSense

Smart Sensor Modules

- 10 Interchangeable Smart Sensor Modules
- Compound Gage Pressure Range
-14.5 to 3000 PSIG
- Absolute Pressure Range 0 to 100 PSIA
- Isolated Sensors for fluids compatible with 316SS
- Compound Isolated
- 0 to 110% of Range: $\pm (0.02\% \text{ of Full Scale}) +$
- 0 to 110% of Range: $(0.005\% \text{ of Reading})$
- Vacuum*: $\pm (0.02\% \text{ of Full Scale})$ *Vacuum = -14.5 psi
- Ranges 15-3000 psi

10 Pressure Gauges in 1 Device



\$3150.00



— \$1200.00

— \$1200.00

— \$1200.00

\$3600.00



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Smart Sensor Modules

Display	6-Digit main area, 17.8mm (0.701 in) 10-Character area, 7.65mm (0.301 in) White LED backlight (adjustable) Red (beacon) error backlight
Keyboard	5-Dedicated keys, plus information key Intuitive, Icon-based keys for internationalization
Body	Powder coated T6 aluminum, 120.7 mm (4.75 in) X 167.3 mm (6.59 in) X 40.1 mm (1.58 in) body only Approx. weight w/o batteries 0.608 kg 1.34 lbs IP64
meriSense Receptacle	Easy insertion/removal without tools Impossible to insert meriSense incorrectly Industrial stainless- steel release pin O-rings for alignment and vibration isolation Gold connection pins good for >1M cycles
Power and Battery Life	4 x 1.5V AA alkaline or lithium Approx. 350+ hours with alkaline (no backlight)
Communication	USB mini, for configuration, update, user calibration and data log
Storage	8Mb of dedicated data log memory Real-time clock calendar w/7 year battery backup
Features	Modes: Min, Max, Accuracy, Average, Tare, Rate of change, Ambient temperature/time, DataLog Lite* Fully configurable via meriLink* PC Software Update rate, 5 measurements per second
Operating Conditions	Conditions: -10 °C to 50 °C (14 °F to 122 °F)
Certifications	CE

Body	Stainless Steel, 25.1 mm (0.989 in) X 82.8 mm (3.26 in) X 22.2 mm (0.875 in) Approx. weight 0.22 lbs. IP64
Pressure Sensor	316SS Isolated Compound Isolated, -14.5 psi to FS, where FS is 15 psi to 3000 psi Absolute Isolated, 0 psi to FS, where FS is 15 psi to 100 psi
Accuracy	Compound Isolated 0 to 110% of Range: \pm (0.02% of Full Scale) + 0 to 110% of Range: (0.005% of Reading) Vacuum*: \pm (0.02% of Full Scale) *Vacuum = -14.5 psi
Absolute Isolated	0 to 110% of Range: \pm (0.02% of Full Scale) + 0 to 110% of Range: (0.005% of Reading)
Vent	One mm Gortex, shielded when installed in meriGauge plus (cap provided)
Process Connection	¼ Inch NPT
Electrical Connections	Hardened gold (30 micron) connection good for >1M cycles
Features	Up to 32 engineering units, Two custom units, User calibration, Fully configurable via meriLink PC Software
Operating Conditions	Conditions: -10 °C to 50 °C (14 °F to 122 °F)
Certifications	CE

* meriLink configuration software is included with each meriGauge *plus*.

* DataLog Lite is included with every meriGauge *plus*.