



meriam[®]
process technologies

A trusted leader in measurement
& calibration solutions.



10 Pressure Gauges in 1 Device



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 22 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.

**Intrinsically
Safe**

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
- NIST Traceable Calibration
- Hot Swappable



meriam[®]
process technologies

A trusted leader in measurement
& calibration solutions.

meriGauge[®] *plus*

meriSense Smart Sensor Modules

Display	6-digit main height, 17.8 mm (0.701 in) 10-character height, 7.65 mm (0.301 in) White LED backlight (3 intensities and O) 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 × 167.3 mm × 40.1 mm (4.75 in × 6.59 in × 1.58 in) body only Approx. weight with batteries 0.608 kg (1.34 lbs)
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 1.5 V AA alkaline Approx. 350+ hours with alkaline (no backlight)
Communication	USB mini 2.0 compliant, for configuration, update, user calibration and data log
Storage	Data Log Pro*** provides a maximum 128 files or 100,000 data points Real-time clock/calendar w/7 year battery backup
Features	Modes: Min, Max, Accuracy, Tare, Average, Rate of change, DataLog Lite**, Ambient temperature/time 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)
Shock Condition	Tested to survive a 39.4 inch [1 m] drop onto concrete
Ingress Protection	IP66
Intrinsically Safe	CE 0539 II 1 G DEMKO 16 ATEX 1809X, Ex ia IIC T4 Ga
Environmental Protection	RoHS, WEEE
EMC Compatibility	For Handheld Class A device

Body	Stainless Steel, 25.1 mm × 82.8 mm × 22.2 mm (0.989 in × 3.26 in × 0.875 in) Approx. weight 0.1 kg (0.22 lbs)
Pressure Sensor	316SS Isolated Compound Isolated, -14.5 psi to FS, where FS is 15 psi to 3 000 psi Absolute Isolated, 0 psi to FS, where FS is 15 psi to 100 psi
Accuracy	Compound 0 to 110 % of Range: ± (0.02 % of Full Scale) + 0 to 110 % of Range: (0.005 % of Reading) Vacuum*: ± (0.02 % of Full Scale) *Vacuum = -14.5 psi Absolute 0 to 110 % of Range: ± (0.02 % of Full Scale) + 0 to 110 % of Range: (0.005 % of Reading)
Vent	1 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	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)
Shock Condition	Tested to survive a 39.4 inch [1 m] drop onto concrete
Ingress Protection	IP67
Intrinsically Safe	CE 0539 II 1 G DEMKO 16 ATEX 1809X, Ex ia IIC T4 Ga
Environmental Protection	RoHS, WEEE
EMC Compatibility	For Handheld Class A device

* meriLink configuration software is included with each meriGauge plus.

** Data Log Lite is included with every meriGauge plus.

*** Data Log Pro is an option you may purchase.