



ETG

Digital Pressure Gauge (Series) Intrinsically Safe

Vaetrix ETG series utilizes the latest digital technology to accurately solve pressure measurement applications. All MEMS pressure sensors are fully temperature compensated throughout the operating range. The easy to use interface and intuitive menu structure is the best in the industry. There are no encrypted symbols or abbreviations, just press the arrow keys to navigate the menu and select your choice. We take pride in manufacturing and designing products in the USA and have over thirty years of experience producing process instrumentation. Performance and reliability is backed by a four-year warranty.



Class I, Division 1, Groups B, C & D, Temperature T4
Class I, Zone 9, AEx ia IIB+H2 T4 Ga
Ex ia IIB+H2 T4 Ga -10°C ≤ +50°C

Bluetooth option not available with EX approved gauges



Range Options (0.05%)	-15 to 15, -15 to 30 (Compound-Gas Only) 15, 30, 100, 300, 500, 1K, 3K, 5K, 10K, 20K, 30K (Isolated - Gas & Liquids)
Range Options (0.1% & 0.25%)	±5, 30, 100, 500, 1K, 3K, 5K, 10K, 14.5K (Isolated - Gas & Liquids) All values referenced in PSI. Consult factory for additional range options.

Key Features

- 0.05%, 0.1%, or 0.25% full scale accuracy over operating temperature
- Dual sensor technology to measure absolute and gauge pressure with one device
- High and low alarm settings with icon and red backlight indication
- Dedicated interface for leak test and min/max function
- Bluetooth option with Apps for Android and Apple (Free)
- Tri-color graphics display with selectable backlight color for optimum viewing
- Intrinsically Safe and Ambient Temperature Options

Includes:

Quick start guide, batteries, protective boot, and NIST cert with data and 4 Year Warranty



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220414-02 Rev 1.0



All ETG series comply with Electromagnetic Radiated Emissions and Immunity per EN 61000-4-2:2008, EN 6100-4-3: 2000 and EN 61326-1:2013, and ETSI EN 301 489-1 V2.2.0 and RoHS Directive 2011/65/EU.

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Parameter	Specifications (Consult Manual for Complete Details)
Pressure Accuracy	±0.05%, ±0.1%, or ±0.25% of Full Scale <i>Includes all effects of temperature and stability based on one year</i>
Vacuum Accuracy	±0.25% Full Scale <i>Applies to ranges 500 PSI and below with an isolated sensor</i>
Barometric Accuracy	±0.35% Full Scale <i>Full Scale value = 35.42" Hg or 17.4 psia</i>
Units	PSI, BAR, MBAR, KGCM2, MSW, FTSW, INHG, MMHG, KPA, MPA, TORR, INH2O@4°C, INH2O@20°C, INH2O@60°F, CMH2O@4°C, CMH2O@20°C, MMH2O@4°C, MMH2O@20°C, FTH2O@20°C, FTH2O@60°F, CUSTOM
Power	3 AA Alkaline Batteries (LR6) Handheld or USB Power Panel Mount <i>1200+ Hours of typical use with low battery indication at 3.7 volts</i>
Temperature	14°F to 122°F (-10°C to 50°C) <i>Compensated operating range</i> -10°F to 150°F (-23°C to 65°C) <i>Storage (remove batteries over thirty days)</i>
Display	Tri-color graphics 240 x 120 – Real true type font with 0.6" digits
Humidity	0 to 95% – Non-condensing
Connection	1/4" MNPT – 316 Stainless Steel
Enclosure	Zinc Alloy (IP 64)

Vaetrix has been designing & developing pressure gauge products for the oil and gas industry since 1975.

Manufactured in the United States, their gauges are built to withstand the test of time.

Part Number Configurator:

Model

ETG = Handheld

Range

- 5-I -5 to 5 PSI, Isolated (0.1% only)
- 15-C -15 to 15 PSI, Compound, Non-Isolated
- 30-C -15 to 30 PSI, Compound, Non-Isolated
- 15-I -12 to 15 PSI, Isolated
- 30-I -12 to 30 PSI, Isolated
- 100-I -12 to 100 PSI, Isolated
- 300-I -12 to 300 PSI, Isolated
- 500-I -12 to 500 PSI, Isolated
- 1K-I 0 to 1000 PSI, Isolated
- 2K-I 0 to 2000 PSI, Isolated (0.1% only)
- 3K-I 0 to 3000 PSI, Isolated
- 5K-I 0 to 5000 PSI, Isolated
- 10K-I 0 to 10000 PSI, Isolated
- 14.5K-I 0 to 14500 PSI, Isolated (0.1% only)
- 20K-I 0 to 20000 PSI, Isolated (0.1% only) (No I.S. option)
- 30K-I 0 to 30000 PSI, Isolated (0.1% only) (No I.S. option)

Sensor Type

C = Compound
I = Isolated

Accuracy

- 05 = 0.05% FS
- 10 = 0.1% FS
- 25 = 0.25% FS

Options

BT = Bluetooth (Not available on I.S. rated units)
TP = Ambient Temperature
EX = Intrinsically Safe

Example

ETG-5K-I-10-TP-EX
0 to 5000 PSI, Isolated, 0.1% FS
Ambient Temperature, Intrinsically Safe (NA)



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