

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. We invite you to compare our products to the competition and welcome any challenge you may have for custom applications.

## Key Features

- 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
- Snapshot readings with date and time stamp
- Multi-session data logging capability (up to 64,000 records with date, time, and pressure)
- USB communications and Bluetooth option
- 0.1% or 0.25% full scale accuracy over operating temperature
- Tri-color graphics display with selectable backlight color for optimum viewing
- Admin function to customize the user interface experience
- Twenty-three engineering units with the ability to select favorites



# Datasheet - Specifications

Parameter	Specification
Pressure Accuracy	±0.1% or ±0.25% Full Scale <i>Includes all effects of linearity, hysteresis, repeatability, temperature, and stability based on one year. Full scale based on positive pressure. Zero before each use.</i>
Vacuum Accuracy	±0.25% Full Scale <i>Applies to pressure ranges of 500 psi and below with an isolated sensor. All units will read vacuum. They are not to be used in a continuous vacuum below -14 psi. Consult manual for details.</i>
Barometric Accuracy	±0.35% Full Scale <i>Full Scale value = 35.42" Hg or 17.4 psia</i>
Power	3 AA Alkaline Batteries (LR6), USB (Micro B)
Operating Temperature	12°F to 122°F (-10°C to 50°C) <i>Compensated range</i>
Storage Temperature	-10°F to 150°F (-23°C to 65°C) <i>Remove batteries for storage over thirty days</i>
Humidity	0 to 95% Non-condensing
Process Connection	¼" MNPT – 316 Stainless Steel



**ADMIN** – Password, Menu Control, Calibration

**ALARMS** – Low or High

**BARGRAPH** – On or Off

**CLOCK** – Set Date and Time

**DAMPING** – On or Off

**DATALOG** – Configure

**DISPLAY** – Timeouts, Contrast

**LEAKTEST** – Start or Stop

**MINMAX** – Min, Max, and Live Reading

**SENSOR** – Gauge or Barometric

**SNAPSHOT (Camera)** – Recall

**TARE** – Live, Offset, Rest

**UNITS** – Lock or Unlock



Parameter	Specification
Display	Tri-Color Graphics Display, 240 x 120 – Real True Type Font Digits (0.6"/15.2mm High) <i>Protected with Polycarbonate Lens</i>
Keypad	Tactile Dome, Sealed (UV and Dirt Resistant)
Units	23 Selectable, 1 Custom
Memory	Non-Volatile Memory, 64000 Samples, 200 Sessions
Bluetooth	Optional BLE Low Energy, Registered Under FCC: WAP2001
Over Pressure	110% Native Full Scale Range – Display warns OVER RANGE
Burst Pressure	3x Native Full Scale Range <i>See pressure range for details</i>
Update Rate	4 Readings per Second
Weight	Handheld: 1.77 Pounds (803 Grams), Panel Mount: 1.7 Pounds (771 Grams)
IP Rating	IP65 Handheld
Case	Corrosion Resistant Aluminum – Powder Coated
Dimensions	Handheld: 4" Outer Diameter, 5.6" Height, 1.7" Depth
Warranty	4 Year (Workmanship and Manufacturing Defects)



# Datasheet – Product Information



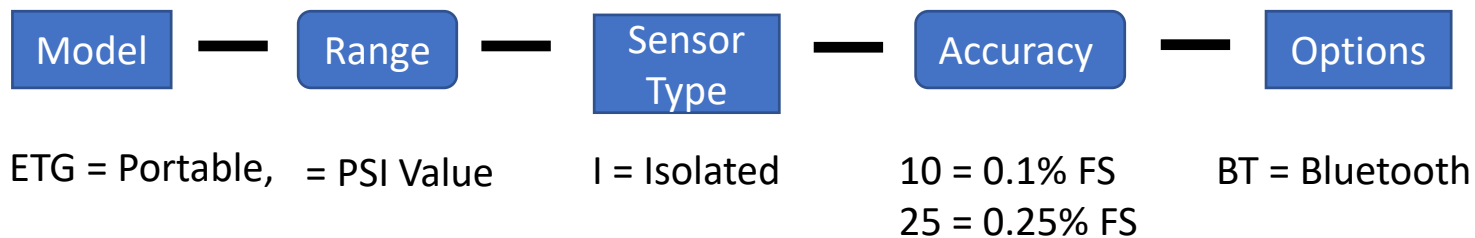
Pressure Range (psi)	Full Scale / Span	Sensor Type	Burst	Media	Resolution psi	inH2O	bar	kPa	inHg
5	±5	I	3x	L	5.0001	138.01	0.0001	34.001	10.001
30	-12 to 30	I	2x	L	30.001	830.01	2.0001	206.01	61.001
100	-12 to 100	I	2x	L	100.01	2768.1	6.0001	689.01	203.01
500	-12 to 500	I	2x	L	500.01	8304	34.001	3447.1	1018.1
1K	0 to 1K	I	2x	L	1000.1	13840	68.001	6894.1	2036.1
3K	0 to 3K	I	2x	L	3000.1	83040	206.01	20684	6108.1
5K	0 to 5K	I	1.5x	L	5000	-	344.01	34474	10180
10K	0 to 10K	I	1.5x	L	10000	-	689.01	68948	20360
14.5K	0 to 14.5K	I	1.5x	L	14500	-	999.01	-	29522

L = Gas and Liquids compatible with 316SS

Consult [www.vaetrix.com](http://www.vaetrix.com) for the latest revision of the datasheet. Consult manual for complete specifications.



## Part Number Configurator: Ordering Information



### Sample Part Numbers

ETG-30-I-10-BT

ETG-100-I-25

### Accessories

All units include a NIST Certificate with data, quick start guide, protective boot, and batteries.

WC00102 – 6ft USB to Micro B Cable (Right Angle)

AS00100 – Data Management Software

**CE** All ETG series comply with Electromagnetic Radiated Emissions and Immunity per EN 61000-4-2:2008, EN 61000-4-3: 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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