

PRESSURE
TEMPERATURE
LEVEL
INSTRUMENTATION
FLOW
ANALYTICAL

Digital Pressure Gauge & Switch

- Highest accuracy and best over-range of any sanitary gauge
- Largest digital display available in a process gauge
- User programmable via simple operator interface
- Standard Min/Max Pressure capture feature
- Optional Alarm/Control relays
- 3-A compliant; Third party verified in accordance with standard 74-03
- 2-Year Warranty

The Anderson Digital Pressure Gauge platform is designed specifically formonitoring critical pressures in sanitary BioPharmaceutical applications. The product line was developed to address several trends relative to performance, safety, and readability criteria of our core customers. When compared to mechanical gauges these electronic units provide much better accuracy, resolution, and over-range capability, and are backed by a 2 year warranty! The switch version provides all this, PLUS 2 fully adjustable switches with low-voltage relay outputs for simple control and/or alarming.

With the elimination of mechanical actuation comes improved reliability. Several other features have been incorporated that customers will find beneficial including a simple, tamper-resistant user interface for easy calibration and programming. The units are programmable for engineering units and all compound units boast auto-scaling to the appropriate units. There's also a "min/max" capture feature that can be used for troubleshooting your process and equipment. Powered by two "AA" batteries, the Digital Pressure Gauge will operate for up to a year before the "low battery"

indicator comes on. The switch version operates continuously on DC loop power with battery back up possible to support off-site programming.

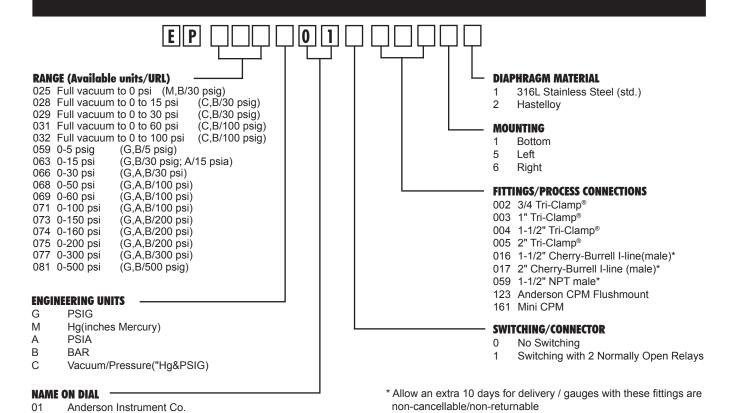
Like all Anderson "Pharmaceutical-Series" products, these instruments are designed to meet the most stringent requirements of the industry. They are constructed entirely of welded stainless steel, not simply industrial or test gauges with sanitary seals added. They are designed to be cleaned and steamed in place (CIP/SIP) and meet the current ASME BPE standards. All wettable parts are 316 "L" stainless steel, electropolished to an R_a of 8 Microinches (0.2 microns). Each is provided with a complete documentation package including material, conformance, and calibration certifications as standard.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.andinst.com, or contact your local Authorized Anderson Distributor.





Complete Product Ordering Matrix



Specifications (Apply to Gauge and Switch unless noted):

Performance

Accuracy: ±0.2% of URL (upper range limit)

Complies with ASME B40.7-1998

±0.06% URL Repeatability: Hysteresis: ±0.07% URL ±0.07% URL

Linearity: Temperature stability: ±0.16% / 10°F change in process or

ambient

Over-range Capacity: 2X URL

Operational

-4° to 127°C (25° to 260°F) continuous Process Temp Limits:

Ambient Temp Limits: 4° to 49 °C (40° to 120°F)

Engineering Units: Programmable by user, see matrix

for selections.

Full Vacuum to selected positive Compound ranges:

pressure. If set to "HG, display reads in "HG when in the vacuum range and PSIG when there is

positive pressure.

Min / Max Pressure: Captured and stored in non-volatile

memory, may be cleared via tamper-

resistant toggle.

Electrical

Power: Digital Gauge - 2 "AA" replaceable batteries up to one-

year expected life with industrial grade batteries Digital Gauge with Switch - 9-30 Volts DC loop power

Relay Outputs (switching only): Two (2) independent, adjustable setpoint relays: Contact rating 1 amp at 24 volts DC, SPST; Contacts open with no power to unit (failsafe) each programmable to close above and below setpoint.

Mechanical

Display: LCD, with 0.9" height Wetted Material: 316 "L" Stainless Steel, welded and polished to

max Ra = 8 microinches (0.2 microns) - Hastelloy

C22 optional

304 Stainless Steel, welded Housing:

Lens: Polysulphone

Approvals and Documentation

Meet current ASME BPE-2002 standards; Authorized to Sanitary: display the 3-A Symbol, Third Party Verified, Std. 74-03

PED: Complies with the Pressure Equipment Directive relative to

Sound Engineering Practices

Electrical: Tested to IEC 61326 Standard for Emissions and Immunity

in Industrial locations

Enclosure: Meets or exceeds requirements for NEMA 4X

Documents: Material, Conformance and Calibration: Certificates

provided with product, also available on-line using serial

Optional Interface Module

Relay Contact Rating:

90 to 260 VAC, 50/60 Hz, 10 V max. Operating Voltage: AC Dip and Surge Protection: 60 to 375 VAC for 5 seconds max.

1/8 amp, 115-230 VAC Operating Current:

6 amp, 250 VAC inductive/resistive

and 4 amp, 30 VDC max.

Power Loss Hold Up Time: 40 milliseconds at full load

and 115 VAC min.