

Features

- Single-crystal silicon MEMS sensing element with **active temperature and static pressure compensation**
- 4 mA to 20 mA with HART® protocol on every model
- 316L stainless steel wetted parts, with remote diaphragm seal assemblies for hot, viscous or corrosive media
- Backlit VA display, readable from -40 °F to 176 °F, rotatable through 360°
- Three-button configuration through the housing cover — no need to open the enclosure in a hazardous area
- Zero and span set on site at the instrument, or remotely over HART®
- Hardware self-diagnostics that raise an alarm current independently of the microcontroller
- Gauge, absolute and differential pressure; level, flow and density from one platform

Applications

- Chemical & petrochemical
- Oil & gas
- Water & wastewater
- Power generation
- Food, beverage & pharmaceutical
- Pulp & paper
- Mining & metals

EW330 Series Intelligent DP · GP · AP

standard accuracy | general purpose applications

- For plants that need dependable temperature-compensated accuracy at a working budget
- **Accuracy $\pm 0.075\%$** of span, in three selectable accuracy classes
- **100:1** turndown ratio
- Stability $\pm 0.2\%$ URL over 3 years
- Intrinsically safe and flameproof versions
- Modular connection design for streamlined and reliable internal structure
- Magnetic top buttons for configuration without breaking the seal

Most advanced feature — Hardware fault alarm that still fires if the microcontroller fails



EW430 Series High Accuracy Intelligent DP · GP · AP

high accuracy | improved rangeability

- For duties where tighter accuracy and repeatability change the quality of the product
- **Accuracy $\pm 0.065\%$** of span
- **100:1** turndown ratio
- Stability $\pm 0.2\%$ URL over 3 years
- Modular connection design for streamlined and reliable internal structure
- Magnetic top buttons for configuration without breaking the seal

Most advanced feature — Log ROM keeps 2 weeks of instrument history for fault analysis



EW530 Series Premier Accuracy Intelligent DP · GP · AP

highest accuracy | safety rated

- For custody transfer, safety loops and micro-differential duties where every reading is audited
- **Accuracy $\pm 0.04\%$** of span
- **200:1** turndown ratio — fewer spare ranges to stock
- Stability $\pm 0.1\%$ URL over 3 years on common ranges
- Micro-differential ranges from ± 0.15 psi; gauge to 8,700 psi

Most advanced feature — SIL 2/3 rated to IEC 61508



DP differential · GP gauge · AP absolute · SG sealed gauge · CP compound, vacuum through positive pressure

EW5600 Series Heavy Duty DP · GP · AP

extreme service | **ultra-high overload**

- Differential, gauge and absolute pressure for the hardest duties in the plant
- **Total accuracy to $\pm 0.03\%$** , $\pm 0.05\%$ standard; **100:1** turndown
- Ranges from 0.015 psi to 15,000 psi
- Annual drift below $\pm 0.05\%$; long-term drift below $\pm 0.1\%$ over 10 years
- Anti-overload center diaphragm holds single-sided overpressure of 2,300 psi to 5,800 psi
- Display shows pressure, current, percent of span, bar graph and capsule temperature together

Most advanced feature — Diaphragm seal systems rated to 1,290 °F process temperature



EW483 Series Smart Digital GP · SG · AP · CP

digital networks | **hazardous areas**

- Field transmitter with a wide-temperature LCD and a cast metal housing, IP65
- **Accuracy classes $\pm 0.1\%$** , $\pm 0.25\%$ and $\pm 0.5\%$ FS; long-term stability $\pm 0.25\%$ FS per year
- Ranges from -14.5 psi...0 psi to 1.5 psi...15,000 psi, gauge, sealed gauge or absolute
- Intrinsically safe Ex ia IIC T4 Ga and flameproof Ex d IIC T6 Gb
- Digital temperature compensation and nonlinear correction across 14 °F to 158 °F

Most advanced feature — 4–20 mA and RS485 Modbus RTU together, up to 99 devices on one bus



EW489 Series Compact OEM GP · SG · AP · CP

machine builders | **configure to order**

- Stainless steel transmitter for hydraulics, pneumatics and skid-mounted equipment, 9.5 oz and IP65
- **Accuracy to $\pm 0.25\%$ FS**; ranges from -14.5 psi...0 psi to 1.5 psi...15,000 psi
- Wetted parts in 316L, tantalum or titanium; flush and hygienic clamp process connections
- Ex ia IIC T6 Ga, Ex db IIC T6 Gb, ATEX, CE, EAC, RoHS and marine approvals
- Rated for 10 g vibration and 100 g shock

Most advanced feature — Six output signals from one footprint: 4–20 mA, 1–5 V, 0–5 V, 0–10 V, 0.5–4.5 V, 0.5–2.5 V



Selection at a Glance

SERIES	PRESSURE TYPE	BEST ACCURACY	TURNDOWN	OUTPUT	CHOOSE IT FOR
EW330	DP, GP, AP	$\pm 0.075\%$ of span	100:1	4–20 mA HART	General plant service
EW430	DP, GP, AP	$\pm 0.065\%$ of span	100:1	4–20 mA HART	Tighter accuracy, instrument history
EW530	DP, GP, AP	$\pm 0.04\%$ of span	200:1	4–20 mA HART	Safety loops and micro-differential
EW5600	DP, GP, AP	$\pm 0.03\%$ total	100:1	4–20 mA HART	Overload, vacuum and 1,290 °F service
EW483	GP, SG, AP, CP	$\pm 0.1\%$ FS	—	4–20 mA + RS485 Modbus RTU	Networked and remote monitoring
EW489	GP, SG, AP, CP	$\pm 0.25\%$ FS	—	4–20 mA or six voltage outputs	Hydraulic fracturing, OEM machinery and skids

DP differential · GP gauge · AP absolute · SG sealed gauge · CP compound, vacuum through positive pressure