



PRESSURE WET GAUGE TRANSMITTER

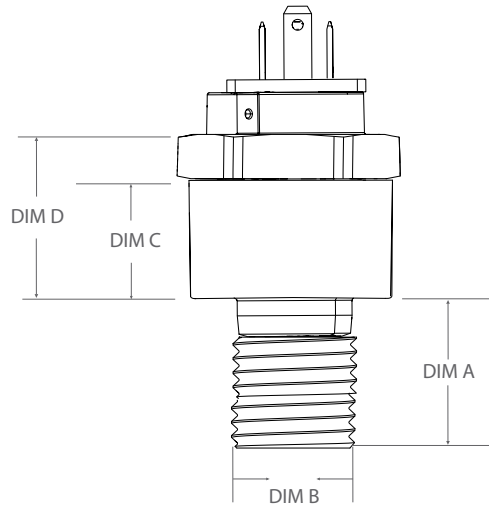
The PWGS (Pressure Wet Gauge transmitter) is a compact and highly reliable pressure transmitter built on a proven polysilicon thin-film technology. It features a robust, seal-free stainless steel measuring cell designed for precise measurement of relative pressures up to 10,000 psi. With exceptional burst pressure resistance and long-term stability, the PWGS is ideal for demanding environments.

Engineered for compatibility with liquids and gases—including all common refrigerants and ammonia—the PWGS is well-suited for a wide range of applications, from industrial processes and HVAC systems to railway components.

SPECIFICATIONS

MEASUREMENT RANGE	See Pressure range table below
ACCURACY @72°F ±2°F (22°C ±1°C)	±0.50% span Includes Non-linearity, Hysteresis. Non repeatability, zero offset and span setting errors at reference temperature
STABILITY	Stability ≤ ±0.25% of span/year
OUTPUT	Current: 4-20mA (2-wire, loop powered) Voltage: 0-5Vdc, 0-10Vdc (3-wire)
POWER SUPPLY	9-32VDC (4-20mA signal) max supply current @ 20mA 9-32VDC (0-5V signal) 14-32VDC (0-10V signal) max supply current @ 11mA
INSULATION WITHSTAND VOLTAGE	500VAC
CIRCUIT PROTECTION	Reverse polarity and miswire protection
VIBRATION	Random vibration (20g) RMS;20-2000Hz per IEC 60068-6-4
RESPONSE TIME	5 ms max
PROCESS PORT	1/4" NPT Male
WETTED MATERIALS	Sensor diaphragm: 316L Stainless steel (for range up to max pressure range 3,000 psi) 304 Stainless steels (from 4000 psi max pressure up to 10,000psi) Pressure connection: 316L Stainless steel
ELECTRICAL TERMINATION	EN 175301-803 Form C (DIN 43650, Form C) , IP65, Nema 4X Shielded cable with PVC jacket and 24 AWG leads, IP67, Nema 6X
OPERATING CONDITIONS	-40 to 125°C (-40 to 257°F)
STORAGE CONDITIONS	-50 to 125°C (-58 to 257°F)
DEGREE OF PROTECTION	IP67/NEMA 6X for models with factory cable IP65/Nema 4X for model with conduit connectivity
CERTIFICATION	CE, ROHS
COUNTRY OF ORIGIN	Canada

DIMENSIONS



	PRESSURE RANGE BELOW 100 PSI	PRESSURE EQUAL OR GREATER THAN 100 PSI
DIM A	14.7mm (0.58")	14.7mm (0.58")
DIM B	13.5mm (0.53")	13.5mm (0.53")
DIM C	12.9mm (0.51")	6.8mm (0.27")
DIM D	22mm (0.87")	15.9mm (0.63")