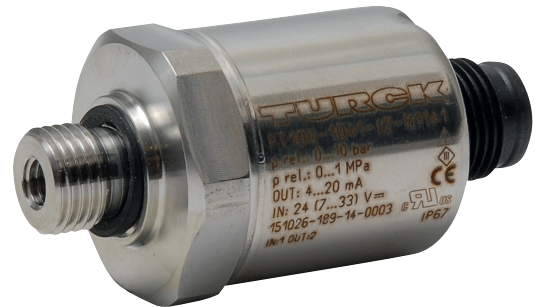


# PT2000 Series Pressure Transmitters

The PT2000 series pressure transmitter offers excellent performance at an OEM price. The transmitter features a stainless steel measuring cell that is well suited for liquid measurement applications. The stainless measuring cell and gel filled housing inhibit liquid ingress while protecting the sensor from internal condensation common in liquid pumping applications.

- 316 welded stainless steel measuring element
- 316 stainless steel housing with Polyarylamide 50% GF electrical connector
- NPT, G (BSPP), and SAE-ORB process connections
- Gel filled housing
- Ranges up to 1000 Bar



## Performance Data

Over Pressure	$\leq 6 \text{ bar} = 5X \text{ full scale (max 1500 Bar)}$ $> 6 \text{ bar} = 3X \text{ full scale (max 1500 Bar)}$
Burst Pressure	$\leq 6 \text{ bar} = 10X \text{ full scale (max 2500 Bar)}$ $> 6 \text{ bar} = 6X \text{ full scale (max 2500 Bar)}$
Analog Accuracy LHR	$\pm 0.30\% \text{ full scale}$
Temperature Coefficient Zero Point	$\pm 0.20\% \text{ of measuring range per } 10^\circ\text{C}$
Temperature Coefficient Span	$\pm 0.20\% \text{ of measuring range per } 10^\circ\text{C}$

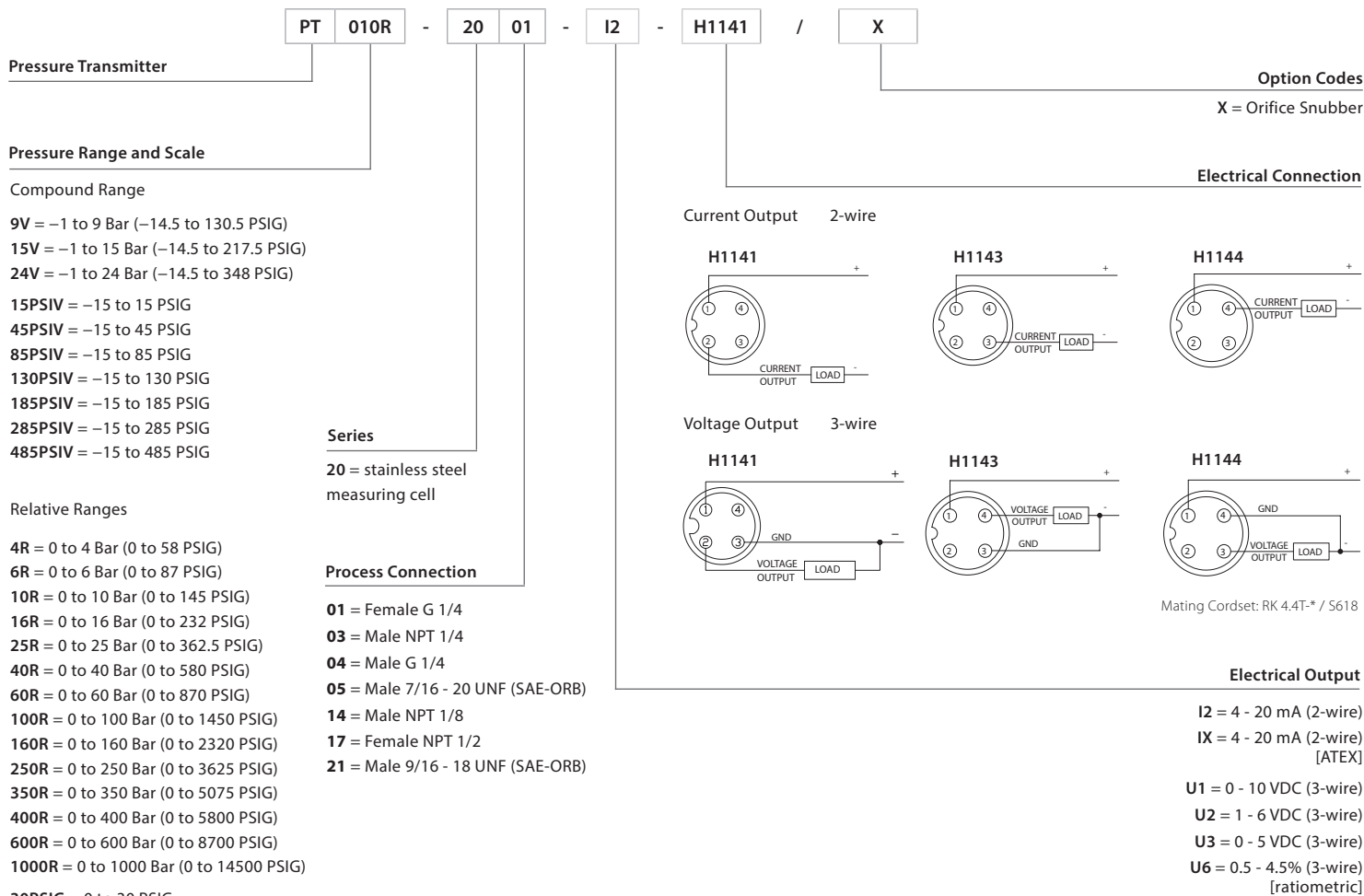
## Electrical Data

Operating Voltage (I2 & U3)	7 - 33 VDC
Operating Voltage (IX)	10-30 VDC
Operating Voltage (U1)	12 - 33 VDC
Operating Voltage (U2)	8 - 33 VDC
Operating Voltage (U6)	5 VDC regulated
Current Consumption (I2)	$\leq 23 \text{ mA}$
Current Consumption (U1, U2, U3, U6)	$\leq 7 \text{ mA}$
Analog Load (I2)	$\leq \text{supply voltage} - 7 \text{ V} / 0.02 \text{ A} = \Omega$
Analog Load (U1, U2, U3, U6)	$> 10 \text{ K}\Omega$
Response Time	$< 2 \text{ ms}$
Short Circuit/Reverse Polarity Protection	Yes/Yes
ATEX Approval (IX)	II 1/2 GD    Ex ia IIC T4 Ga/Gb Ex ia IIIC T125 °C Da/Db

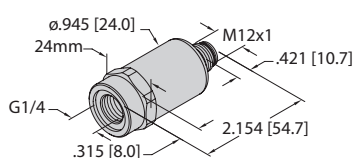
## Environmental Data

Ambient Temperature	$-30 \text{ to } 85^\circ\text{C}$
Storage Temperature	$-50 \text{ to } 100^\circ\text{C}$
Medium Temperature	$-40 \text{ to } 135^\circ\text{C}$
Housing Materials	316 stainless steel/Polyarylamide 50% GF
Wetted Materials	316 stainless steel ( $\leq 60 \text{ bar}$ 430 stainless steel)
Protection Type	IP 67
Shock Resistance	40 g for 6 ms, 1000x all 3 directions per IEC 68-2-29
Vibration Resistance	20 g, 15 - 2000 Hz, 15 - 25 Hz with amplitude $\mu 15 \text{ mm}$ , 1 Octave/min. all 3 directions, 50 constant load per IEC 68-2-6

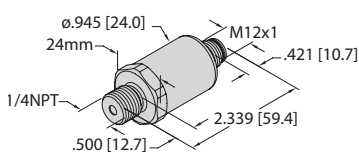
## Part Number Key



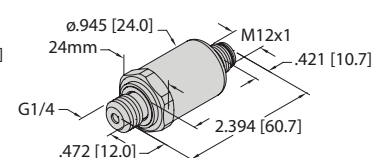
PT...2001



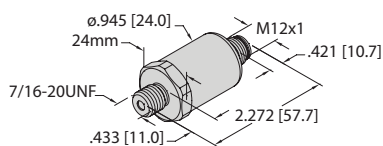
PT...2003



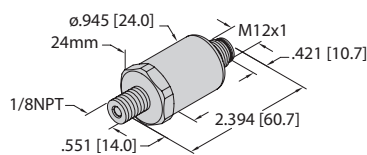
PT...2004



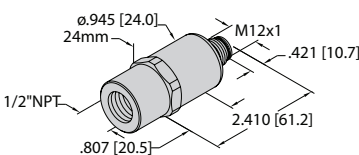
PT...2005



PT...2014



PT...2017



PT...2021

