

# 9600 Series – Slimline Groundwater Monitoring Transducer

- ▶ Remote Ranging via PC Interface
- ▶ 20mm Diameter
- ▶ SDI-12 Communications Versions
- ▶ 318 S/S Wetted Parts
- ▶ Total Error Band  $\leq \pm 0.1\%$  FS (23°F to 113°F [-5°C to +45°C])

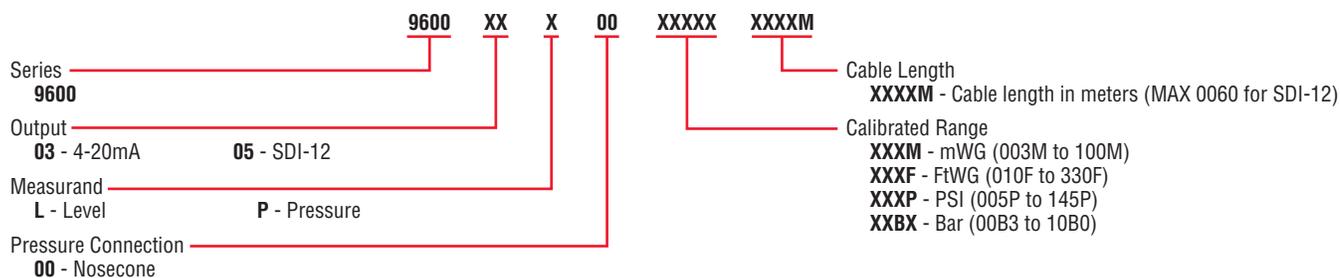
9600 Series pressure transducers meets the rigorous conditions for ground water monitoring while providing ultimate performance. 9600 Series transducers feature built-in specific gravity compensation to provide a true level reading, even when the media is subject to temperature changes over the ranges 23°F to 113°F (-5°C to +45°C). Manufactured with 318 stainless steel wetted parts, which provide excellent corrosion resistance. Reduce installation time, or recalibrate an installed unit without withdrawing it from its media, by using a cable-connected PC or hand-held interface. The SDI-12 communicating versions offer minimal current draw for battery powered applications.

## Specifications

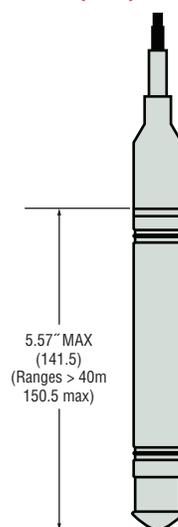
<b>Input</b>	
<b>Pressure Range</b>	0 - 3 to 0 - 100mWG
<b>Proof Pressure</b>	1.5 x Fs nominal range
<b>Burst Pressure</b>	3 x Fs
<b>Fatigue Life</b>	Designed for more than 100 million FS cycles
<b>Performance</b>	
<b>Long Term Drift</b>	$\pm 0.05\%$ year
<b>Accuracy</b>	$\pm 0.05\%$
<b>Total Error Band</b>	$\leq \pm 0.1\%$ Fs (23°F to 113°F [-5°C to +45°C])
<b>Compensated Temperatures</b>	23°F to 113°F (-5°C to +45°C)
<b>Operating Temperatures</b>	-13°F to +158°F (-25°C to +70°C) non-freezing
<b>Electrical</b>	
<b>Output</b>	SDI-12 (Temp output $\pm 0.9^\circ\text{F}$ [0.5°C]) or 4 - 20mA
<b>Supply Voltage</b>	8-30Vdc
<b>Current Consumption</b>	Standby less than 450 $\mu\text{A}$ ; active less than 4mA average
<b>Surge Protection</b>	61000-4-5 $\pm 4\text{kv}$
<b>Mechanical Configuration</b>	
<b>Pressure Port</b>	Nosecone (M16 x 1.5 for calibration)
<b>Wetted Parts</b>	Hastelloy, 318 Stainless Steel, Polyurethane, Acetal, Polyolefin
<b>Electrical Connection</b>	Polyurethane Cable
<b>Enclosure</b>	IP68 to 200mWG
<b>Shock</b>	Withstands free fall to IEC 68-2-32 procedure 1
<b>Approvals</b>	CE
<b>Weight</b>	Approx. 100 grams (additional; cable 75 g/m)

## How to Order

Use the **bold** characters from the chart below to construct a product code



## Dimensions in. (mm)



## Wiring Details

	SDI-12	mA
Red	Positive excitation	+Ve
Blue	Negative excitation	-Ve
Green	SDI-12	Comms

PRESSURE TRANSDUCERS