

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])

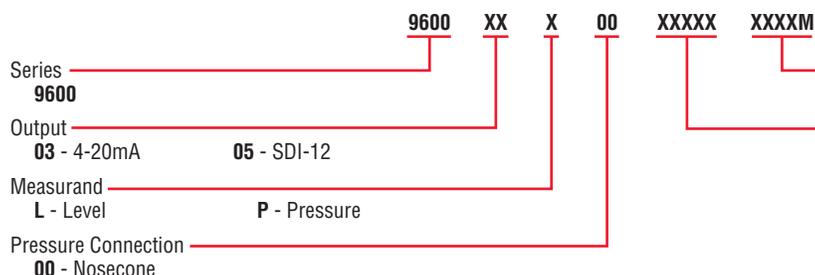
9600 Series pressure transducers meets the rigorous conditions for ground water monitoring while providing ultimate performance. 9600 Series transducers feature built-in specific gravity compensation to provide a true level reading, even when the media is subject to temperature changes over the ranges 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

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

How to Order

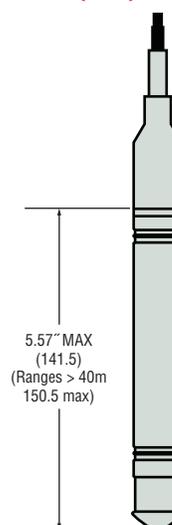
Use the **bold** characters from the chart below to construct a product code



- Cable Length: **XXXXM** - Cable length in meters (MAX 0060 for SDI-12)
- Calibrated Range:
 - XXXXM** - mWG (003M to 100M)
 - XXXXF** - FtWG (010F to 330F)
 - XXXXP** - PSI (005P to 145P)
 - XXBX** - Bar (00B3 to 10B0)



Dimensions in. (mm)



Wiring Details

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