

MODEL WL-450

STAINLESS STEEL SUBMERSIBLE PRESSURE TRANSDUCER



Accurate and reliable pressure transducer designed for remote monitoring of water level and pressure data.

The **WL-450** features a 316L stainless steel diaphragm, digital temperature compensation, and environmentally neutral Hytrel® cable. These assets enable the unit to provide a high level of performance over long periods and a wide range of operating conditions. The WL-450 is ideally suited for environmental monitoring applications such as test wells, streams, rivers, and reservoirs.

Each WL-450 is available in 4-20mA, RS-485, and SDI-12 outputs.



Durable and environmentally neutral Hytrel® cable



Well-built to support depths of 3' to 500'



Rugged 316L stainless steel flush-diaphragm sensor



Highly stable digital temperature compensation



a **xylem** brand

Model WL-450 STAINLESS STEEL PRESSURE TRANSDUCER



Monitor water level, even during storm conditions.



Monitor water level during and after flood events.

WL-450 Specifications

Sensing Element

Sensor Element	316L stainless steel, flush mounted (titanium available)
Available Ranges	0-3', 0-15', 0-30', 0-60', 0-120', 0-250', 0-500'
Accuracy	Total Error Band $\pm 0.1\%$, 16 bit digital error correction
Overpressure	Not to exceed 2x full scale range
Operating Temperature	14 to 176°F (-10 to 80°C)
Temperature Compensation	Digital over entire operating range
Output	4-20mA, 2 wire loop powered and SDI-12
Supply Voltage	10 to 28 VDC
Load Resistance	(Ω): mA: $< (\text{supply} - 8V) / 0.02A$
Communication	RS-485 and SDI-12

Housing

Wetted Materials	316L stainless steel, polyamide, fluorocarbon
Dimensions	0.825" (21mm) diameter x 3-3/4" (95mm) long
Weight	1lb (453.6g)

Cable

Material	Hytrel-jacketed, vented & shielded
Outside Diameter	0.23" (5.8mm)
Temperature Range	-22° to +185°F
Length	Standard 25 feet (up to 1,000 feet total)

SPECIFICATIONS XA00200

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Who's Minding the Planet?®



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