



Depth and Level Pressure Transmitter

VersaLine VL4000 Series



- 0.1% & 0.25% accuracy
- Ranges 10"WC-300 psi
- $\frac{3}{4}$ " diameter welded Titanium
- Molded polyurethane cable
- 4-20 mA, 2-wire

The **PMC VersaLine VL4000 Series** submersible transmitters are specifically designed for depth and level measurements of groundwater, wastewater, and sea water. Typical applications are small size bore holes, wells, dams, irrigation, sewage lift stations, rivers and oceanography. The Titanium housing provides immunity to virtually all environments, especially including brackish or sea water, or other chemicals unsuitable for stainless steel. The standard polyurethane vented cable is molded to the transmitter providing the highest integrity waterproof assembly well proven in thousands of installations worldwide. Kevlar is used to avoid any cable elongation when longer lengths up to 5000 feet are required for deep wells. FEP cable is available as an alternate for harsh environments. A feature of the VL4000 Series is full scale ranges as low as 10" WC.

STANDARD SPECIFICATIONS

Full Scale Ranges (Zero Based)

0-10, 20, 30, 50" WC
 0-1, 5, 10, 15, 30, 50, 100, 150, 200, 300 psig
 0-50, 100, 150, 200, 300 psia
 Other ranges and pressure units can be specified

Accuracy

±0.1% FS (BSL) or ±0.25% FS (BSL)
 Combined non-linearity, hysteresis & repeatability

Overpressure

Full scale ranges up to 20 psi - 10X
 Above 20 to 150 psi-4X
 Above 150 psi-2X

Operating Temperature Range

-10° to +175° F (-20° to +80° C)

Compensated Temperature Range

30° to 85° F (-2° to +30° C)

Temperature Effects (Compensated)

High accuracy (±0.1)
 ±0.3% TEB for ranges 5 psi and above
 ±1.0% TEB for ranges below 5 psi

Standard accuracy (±0.25%)
 ±1.5% TEB for ranges 5 psi and above
 ±2.0% TEB for ranges below 5 psi

Electrical

2-wire, 4-20 mA, 12-40 Vdc power

Cable

Polyurethane vented with Kevlar, 4 conductors
 Contact factory for FEP cable

Housing

316L Stainless Steel or Titanium

Weight

6.5 oz. (excluding cable)

PMC adopts a continuous development program which sometimes necessitates specification changes without notice.

ORDERING INFORMATION

VersaLine VL4000 Series Depth & Level 3/4" diameter sensor

When ordering please specify the following:

(1) Model number from table below

MODEL - Construction	
4	Depth Cone 3/4"
Housing Material	
1	316 Stainless Steel
2	Titanium
Electrical Connection	
1	Polyurethane molded cable
2	FEP cable
Electrical Configuration	
3	4-20 mA

4 2 1 3 Example Model Number

(2) Range, including engineering units

(3) Accuracy

(4) Cable Length

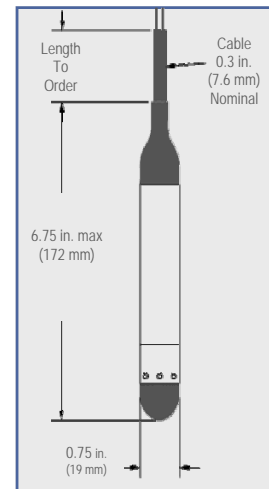
Example Ordering Format:

VL4213-5psi-0.1%-15'

OPTIONS

PMC offers a range of accessories and variants for depth and level transmitters.

Please contact the factory for further information.



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