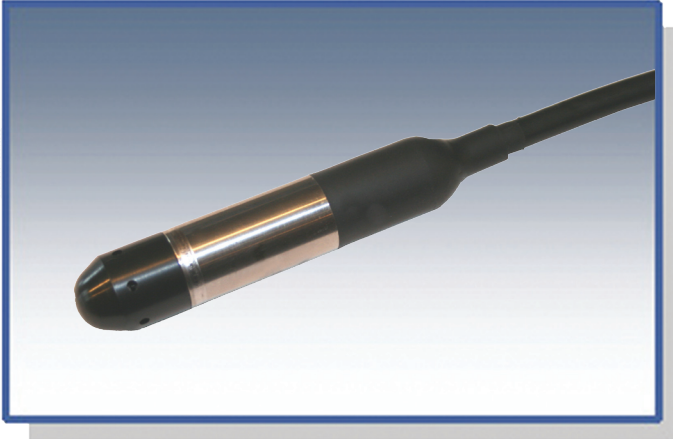




## Depth and Level Pressure Transmitter

### VersaLine VL4500 Series



- 0-100 mV O/P for 10 Vdc
- 0.1% & 0.25% accuracy
- Ranges 30"WC-300 psi
- 0.725" diameter welded Titanium
- Molded polyurethane cable
- 5 year corrosion warranty

**The PMC VersaLine VL4500 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 1000 feet are required for deep wells. FEP cable is available as an alternate for harsh environments. A feature of the VL4500 Series is full scale ranges as low as 30" WC.

**The VersaLine VL4000 Series** offers similar performance but operates from a 2 wire 4-20mA current loop. Full scale ranges down to 0-30" WC can be supplied with up to 5000 ft. of cable. Also certified FM(C) Class I, II, III, Div. I, Groups A-G.

**The VersaLine VL3000 and MTM/N10** offer similar performance while contained within 1" and 3/8" diameter housings respectively. **The VL2000** provides an open face construction avoiding clogging or sludge build up in wastewater and similar applications. PMC manufactures a wide range of other level transmitters including sanitary flush designs for use in water and wastewater management, food and beverage, pulp and paper, and pharmaceutical applications. Please refer to appropriate data sheets.

**An extensive range of accessories** is available including Sink Weights, Cable Hangers, and a unique method of avoiding water ingress through the breather tube for vented gauge transmitters. Also offered are Calibration Adaptors, Lightning Protection, and Cable Termination Boxes. Please see separate data sheet VLA 702 detailing these items.

## STANDARD SPECIFICATIONS

### ■ Full Scale Ranges (Zero Based)

0-30, 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

4-wire, 10 mV/V, 1-12 Vdc power

### ■ Intrinsically Safe Approval

See VL2000, VL3000 and VL4000

### ■ Cable

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

### ■ Housing

Titanium  
 Note: 5-year corrosion warranty included for Titanium housing.

### ■ Weight

4.5 oz. (excluding cable)

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

## ORDERING INFORMATION

### VersaLine VL4500 Series Depth & Level 0.725" diameter

When ordering please specify the following:

(1) Model number from table below

MODEL - Construction	
4	Depth Cone 0.725"
Housing Material	
5	0.725"dia. Titanium - 5 year corrosion warranty
Electrical Connection	
1	Polyurethane molded cable
2	FEP cable
Electrical Configuration	
1	10 mV/V ratiometric

(4) (5) (1) (1) Example Model Number

(2) Range, including engineering units

(3) Accuracy

(4) Cable Length

Example Ordering Format:  
 VL4511-300'WC-0.1%-350'

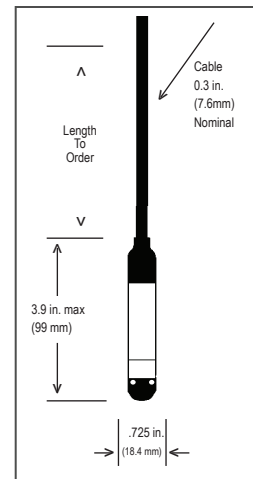
## OPTIONS

HART Communication Protocol

4-20 mA and 1-5 volts

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

Please contact the factory for further information.



HEAD OFFICE



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