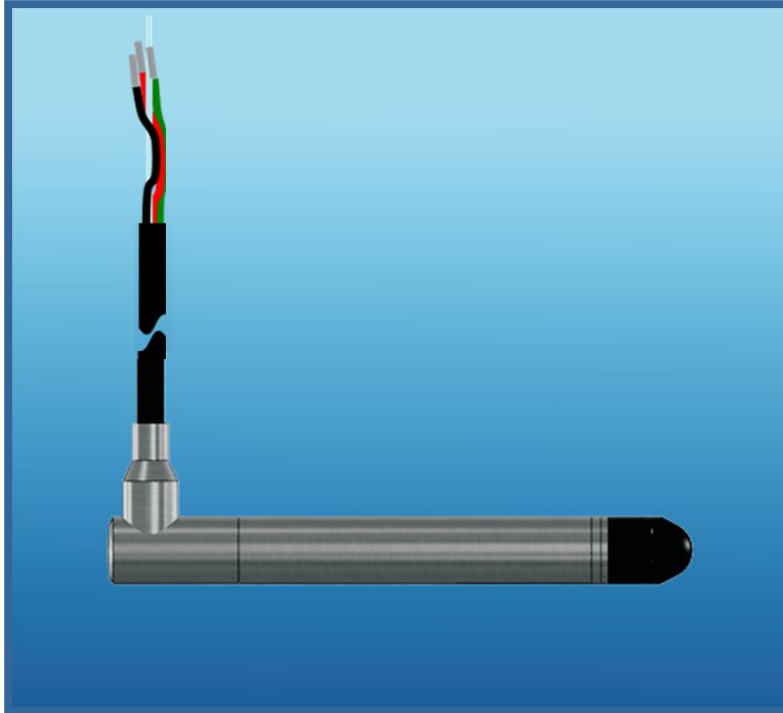




Depth/Level Transmitter - side entry cable

VersaLine VL4563 Series



- **0-100mV or 4-20mA output**
- **0.1% or 0.25% accuracy**
- **Ranges: 0-30" WC to 0-300psig**
- **0.725" dia. welded Titanium**
- **90° molded polyurethane cable**
- **5 year corrosion warranty**

PMC has engineered a rugged side entry cable to facilitate the use of their submersible transmitters inside pipes where the level measurement is required under flowing conditions. This is offered as a standard option for "3/4" inch diameter transmitters but can also be provided for other series. The combination of the low profile Transmitter and the side entry cable are ideally suited for installations into sewer pipes to minimize flow restrictions and possible clogging.

The standard PMC VersaLine VL4500 Series submersible transmitters are specifically designed for depth and level measurements of ground, surface, waste, 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 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 VL4500 Series is full scale ranges as low as 30" WC. The sensing technology features a highly stable Piezoresistive element manufactured from micro-machined silicon and supported by more than 20 years experience in depth and level applications. The sensing element is isolated from the media by a titanium diaphragm, thus providing the best possible reliability for long term installations. Reliability is further enhanced by the anti-shock nose cone which has been specifically designed to protect against water hammer and other external hazards. With a choice of millivolt (low power) or current (4-20 mA) configurations, small physical size and a wide range of pressures, the VL4500 series will satisfy most applications for water level monitoring and control, oceanographic applications and much more.

Other VersaLine Products provide smaller size (3/8" dia), clog free (for raw sewage), Intrinsic safety approvals (for hazardous environments) and many other features and configurations. Please refer to appropriate data sheet.

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.

Precision Solutions for pressure, level, vacuum and humidity measurement

Specifications

■ Full Scale Ranges (Zero Based)

0-30, 50" WC
 0-1, 5, 10, 15, 30, 50, 100, 150, 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
 Full scale ranges above 20psi up to 150 psi - >4X
 Full scale ranges above 150 psi - >2X

■ Operating Temperature Range

-10° to +85° F (-20° to +80° C) - non freezing

■ Compensated Temperature Range

30° to 115° 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%)

±0.15% TEB for ranges 5 psi and above
 ±2.0% TEB for ranges below 5 psi

■ Electrical (either)

4-wire, 10 mV/V, 1-12 Vdc power
 2-wire, 4-20mA, 10-35 Vdc power

■ Intrinsically Safe Approvals

For FM/FMC Class I, II, and III Div. 1 Groups A-G
 Please refer to VL2000, VL3000 and VL4000

■ Cable

Polyurethane molded vented with Kevlar, 4 conductors
 - up to 5000ft,
 Please contact PMC for FEP cable.

■ Housing

Titanium (includes 5-year corrosion warranty)
 Please contact PMC for stainless steel

■ Weight

10.5 oz. (excluding cable)

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

HEAD OFFICE



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Ordering Information

VersaLine VL4563 Series

Depth/Level 0.725" dia. side entry cable

When ordering please specify the following:

(1) Model number from the table below

MODEL – Construction	
4	Depth Cone ¾"
Housing Material	
4	0.725" 316L Stainless Steel (refer to PMC)
5	0.725" Titanium – 5 year warranty
Electrical Connection	
6	Polyurethane molded cable - 90°
-FEP	FEP cable - 90° (refer to PMC)
Electrical Configuration	
1	10 mV/V ratiometric
3	4-20 mA

(4) (5) (6) (3) Example Model Number

(2) Range, including engineering units

(3) Cable length (Polyurethane is standard)

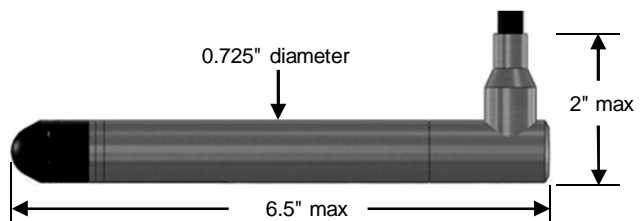
Example Ordering Format:

VL4563-15psi-45' (for FEP cable, add -FEP)

Options & Accessories

PMC offers a range of accessories and variants for depth and level transmitters. – Reference sheet VLA702

Please contact the factory for further information



Represented By: