


## OPEN FACE LEVEL TRANSMITTER FOR WASTEWATER VERSALINE VL2000 SERIES

The PMC VersaLine VL2000 Series submersible level transmitters are specifically designed for use in wastewater and pump/lift station applications. The ceramic sensing element provides a rugged flush open face design which avoids clogging or sludge build up from materials often encountered in wastewater. The stainless steel construction will satisfy most applications. Where chemical environments dictate an option of Titanium is available. The standard polyurethane vented cable is molded to the transmitter providing the highest integrity waterproof assembly well proven in thousands of installations worldwide. FEP cable is available as an alternate for harsh environments. A feature of the VL2000 Series is full scale ranges as low as 10" WC.

The VersaLine series VL3000, VL4000 and MTM3000 offer similar performance with packaging suitable for deep well level measurements as well as 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.

### TECHNICAL SPECIFICATIONS

<b>Full Scale Ranges (Zero Based)</b>	0-10, 20, 30, 50" WC 0-1, 5, 10, 15, 30, 50, 100 psig <i>Other ranges and pressure units can be specified</i>
<b>Accuracy</b>	±0.1% FS (BSL) or ±0.25% FS (BSL) <i>Combined non-linearity, hysteresis &amp; repeatability</i>
<b>Overpressure</b>	For full scale ranges up to 20 psi - 10X Above 20 to 150 psi-4X
<b>Operating Temperature Range</b>	-10° to +175° F (-20° to +80° C)
<b>Compensated Temperature Range</b>	30° to 85° F (-2° to +30° C) - Standard 30° to 180° F (-2° to +80° C) - Optional*
<b>Temperature Effects (Compensated)</b>	High accuracy (±0.1) ±0.3% TEB for ranges 5 psi and above ±1.0% Standard accuracy (±0.2%) Standard accuracy (±0.25%) ±1.5% TEB for ranges 5 psi and above ±2.0% TEB for ranges below 5 psi <i>*±2.0% TEB for all ranges with extended temperature option</i>
<b>Electrical</b>	2-wire, 4-20 mA, 10-35 VDC power
<b>Intrinsically Safe Approvals</b>	 Available with FM Intrinsically Safe Certification for use in Class I,II, and III, Division 1, Groups A,B,C,D,E,F, & G hazardous locations. <i>Note: FMC approval is included for Canadian requirements.</i>
<b>Cable</b>	Polyurethane molded, vented with Kevlar, 4 conductors <i>Contact factory for FEP cable</i>
<b>Housing</b>	316L Stainless Steel or Titanium with 5-year corrosion warranty
<b>Weight (excluding cable)</b>	7.6 oz. (excluding cable)

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

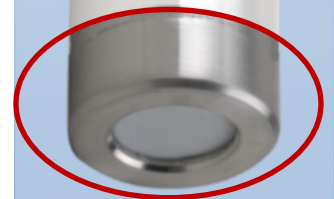
## Process Measure Control

### Features

- Open face, clog free
- 0.1%/0.25% accuracy
- 10" WC to 150 psi
- 316L SS or Titanium
- 4-20mA, 2 wire
- CE

### Applications

- Sewage Lift
- Water Level
- Waste Water
- Oceanography
- Ground Water



### Contact

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**Your depth and level specialists for Ground, Surface, Sea and Waste Water**

## PMC Configurator

VL x x x x

<b>Model Construction</b>	Open Face, Ceramic 1"	2
<b>Housing Material</b>	316L Stainless Steel	1
	Titanium-5 year warranty	2
<b>Electrical Connection</b>	Polyurethane molded cable	1
	FEP	2
Cable length must be specified at the time of ordering.		
<b>Electrical Configuration</b>	4-20 mA	3

**Example Ordering Format: VL2113 - 5psig - 0.25% - 20' cable - IS**

## RELATED PRODUCTS

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.

**Sink Weight - VL2000 Series:** This has been developed specifically for the VL2000 and unlike most competitive devices which are integral can be added or removed from the transmitter. Often referred to as a "cage" sink weight/ anchor for transmitters installed on the bottom of wastewater or sewage lift tanks. 4" high x 4" dia. and approximately 6 lbs. Please specify SW 2000.

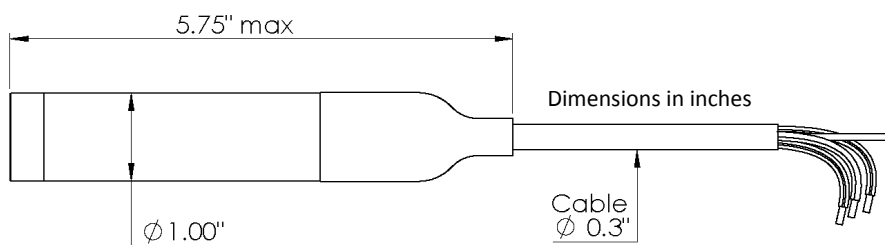


## FOR ZERO MAINTENANCE



In order to reduce on site maintenance PMC has developed the MP 11 Moisture Protection Reference Volume. For vented gauge transmitters this provides a total isolation to the atmosphere by using a custom bladder while maintaining the high performance of the transmitter. This changes volume with Barometric pressure. Totally maintenance free. Please specify MP 11.

## MECHANICAL DETAILS



## ELECTRICAL DETAILS

Configuration	+Ve Supply	0V Supply	Ground
4-20mA	Red	Black	Green

## Process Measure Control

### Sensors for

- Pressure
- Level
- Vacuum
- Humidity
- Temperature
- Force
- Position

### Accessories

PMC offers a range of Accessories and variants for depth and level transmitters. Reference sheet VLA502

- Termination Enclosure
- Cable Hanger
- Moisture Protection
- Calibration Adaptor
- Sink Weights
- Level Meters

### PMC is

- Engineering Driven
- Confidential
- Experienced
- Responsive
- Dynamic
- Friendly

**Your depth and level specialists for Ground, Surface, Sea and Waste Water**