



## Depth and Level Pressure Transmitter

### WT3000 Series



- $\pm 0.25\%$  accuracy
- Ranges 10"WC-300 psi
- Titanium with 5 year corrosion warranty
- Molded polyurethane cable
- 4-20 mA, 2-wire
- FM(C) Class I,II,III, Div.1, Groups A-G

**The WT3000 Series** submersible transmitters are specifically designed for depth and level measurements of groundwater, wastewater, and sea water. Typical applications are wells, dams, irrigation, sewage lift stations, rivers and oceanography. The stainless steel housing will satisfy many applications. Titanium is also ideal in brackish or sea water, or other chemical environments 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 WT3000 Series are full scale ranges as low as 10" WC.

**The WT4000 and WTMN/N10** offer similar performance with 3/4" and 3/8" diameter housings respectively suitable for deeper or smaller well installations. **The WT2000** 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)

0-10, 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 (±0.2%)  
 ±1.5% TEB for ranges 5 psi and above  
 ±2.0% TEB for ranges below 5 psi

### Electrical

2-wire, 4-20 mA, 10-35 Vdc power

### Intrinsically Safe Approval

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.

*Note: FMC approval is included for Canadian requirements.*

### Cable

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

### Housing

316L Stainless Steel or Titanium  
*Note: 5-year corrosion warranty included for Titanium housing.*

### Weight

7.6 oz. (excluding cable)

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

## ORDERING INFORMATION

# WT3000 Series

## Depth & Level 1" diameter sensor

When ordering please specify the following:

(1) Model number from table below

MODEL - Construction	
3	Depth Cone 1"
Housing Material	
1	316 Stainless Steel
2	Titanium - 5 year corrosion warranty
Electrical Connection	
1	Polyurethane molded cable
2	FEP cable
Electrical Configuration	
3	4-20 mA

(3) (1) (1) (3) Example Model Number

- (2) Range, including engineering units
- (3) Accuracy
- (4) Cable Length
- (5) Specify if FM/IS approval is required

Example Ordering Format:  
**WT3113-5psi-0.1%-15'-IS**

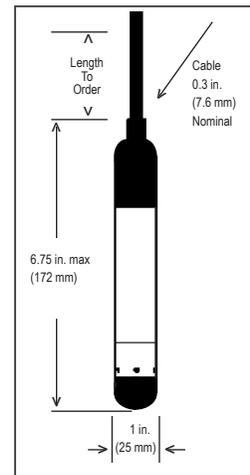
## OPTIONS

HART Communication Protocol

1/2" NPT Conduit Style Cable Connection

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

Please contact the factory for further information.



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