



## Wastewater Level Transmitter

### WT2000 Series



- 0.1% & 0.25% accuracy
- Ranges 10"WC-150 psi
- All welded 316L SS or Titanium
- Molded polyurethane cable
- 4-20 mA, 2-wire
- FM(C) Class I,II,III, Div.1, Groups A-G

The **WT2000** 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 WT2000 Series is full scale ranges as low as 10" WC.

The **WT3000** and **WT4000** 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.

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 psig

Other ranges and pressure units can be specified

### ■ Accuracy

±0.1% FS (BSL) or ±0.25% FS (BSL)

Combined non-linearity, hysteresis & repeatability

### ■ Overpressure

For full scale ranges up to 20 psi - 10X

Above 20 to 150 psi-4X

### ■ Operating Temperature Range

-10° to +175° F (-20° to +80° C)

### ■ Compensated Temperature Range

30° to 85° F (-2° to +30° C) - Standard

30° to 180° F (-2° to +80° C) - Optional\*

### ■ 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

\* ±2.0% TEB for all ranges with extended temperature option

### ■ 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

### WT2000 Series Wastewater Level Transmitter

When ordering please specify the following:

(1) Model number from table below

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

(2) (1) (1) (3) Example Model Number

(2) Range, including engineering units

(3) Cable Length

(4) Specify if FM/IS approval is required

Example Ordering Format:

WT2113-30"WC-0.25%-20'-IS

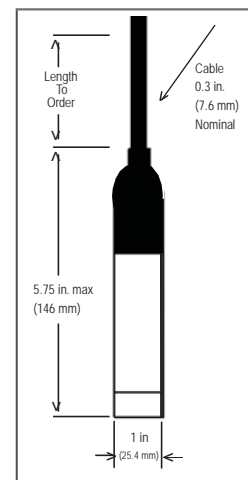
## OPTIONS

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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