

## DS Level Probe

*PT/EL DS Series*



- $\pm 0.25\%$  Accuracy
- Ranges 5"WC-300 psig, Vacuum & Absolute
- 4-20 mA, 2 wire output
- Custom lengths available
- HART® Protocol

The DS Level Probe transmitter (PT/EL DS series) is designed for top mount locations in tanks. This unit is ideal for installation in mixing, blending, white water tanks and wastewater treatment locations. Supplied with either a 1" (Miniature) or 1 1/2" ceramic diaphragm sensor, the DS Level Probe transmitter provides a stable measuring environment for many difficult applications. Standard lengths are 18", 2', 4', 6', and 8'. Non-standard lengths can be ordered to individual specifications. Flexible configurations to suit your specific application are available including Smart technology using Hart® protocol, Aluminum or Stainless Steel terminal heads, LCD displays, remote electronics, and chemical resistant cable.

***Pneumatically Operated Transmitters Also Available***

## STANDARD SPECIFICATIONS

### ■ Sensing Area

1½" or 1"

### ■ Full Scale Ranges

0 - 5"WC to 0 - 300 psi gauge  
 ± 5"WC to ± 400"WC Compound  
 0 - 3"Hg to 0 - 30"Hg Vacuum  
 0 - 15 psi to 0 - 150 psi absolute

### ■ Static Accuracy

± 0.25% of Full Scale  
 Combined non-linearity, hysteresis, and repeatability

### ■ Compensated Temperature Range

-4°F to 175°F (-20°C to 80°C)

### ■ Operating Temperature Range

Ambient: -4°F to 175°F (-20°C to 80°C)  
 Process: -4°F to 250°F (-20°C to 125°C)

### ■ Temperature Effects

1½" Diameter:

Thermal Zero Shift: ±0.0075%/°C

Thermal Span Shift:

± 0.005%/°C for ranges < 6 psi  
 ± 0.003%/°C for ranges 6 psi and above

1" Diameter:

Thermal Zero Shift: ±0.010%/°C

Thermal Span Shift: ± 0.004%/°C

### ■ Overpressure

10X for Full Scale Ranges up to 15 psi  
 4X for Full Scale Ranges from 15 to 150 psi  
 2X for Full Scale Ranges over 150 psi

### ■ Electrical

Output: 2-wire, 4-20 mA  
 Supply Voltage: 10 to 35 VDC nominal supply

### ■ Cable

CV/P - 10' Polyurethane  
 CV/T - 10' Teflon FEP

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

## ORDERING INFORMATION

### PT/EL DS Series DS Level Probe

When ordering please specify the following:

MODEL PMC	
PT/EL DS	1 1/2" Diameter
MIN PT/EL DS	1" Diameter
Range	Specify psi, " WC, bar, absolute, gauge, etc.
Diaphragm	
Cer	Ceramic
Termination	
CV/P	Polyurethane Cable
CV/T	Teflon FEP Cable
TH	Aluminum Terminal Head
TH/D	adds LCD Display
TH/SS	SS Terminal Head
TH/SS/D	adds LCD Display

(1) Select (2) Specify (3) Select (4) Select

#### Order Code Example: PMC-MIN PT/EL DS-72"WC-Cer-TH/SS

- (1) Model: PMC-MIN PT/EL DS
- (2) Range: 72" WC
- (3) Diaphragm Material: Ceramic
- (4) Electrical Termination: Terminal Head Stainless Steel

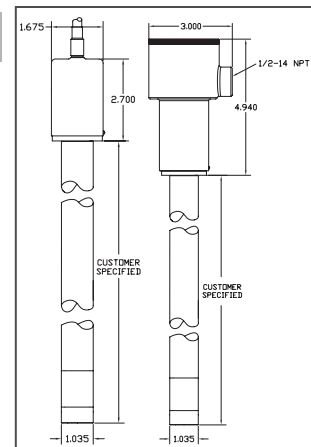
#### DS Assembly:

Specify length of SS tube required. Standard lengths include 18", 2', 4', 6', and 8'. For combination lengths such as 12' (4' + 8') a joint kit is required for each connection point. Tubing is 1 1/32" O.D. with .150" Wall Thickness.

## OPTIONS

- Remote Electronics
- LCD Display
- Terminal Junction
- Cabled Versions
- HART® Smart Electronics

Contact PMC for other options and accessories



All measurements shown in inches

HEAD OFFICE



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