

MODEL 590 LITERATURE

TS 590



CABLE SUPPORTED
TAPERED NOSE



CABLE SUPPORTED
SLUDGE NOSE

- Small 0.85" (22mm) O.D. Slides Easily Down a 1" Pipe
- Lifetime Warranty Against Lightning Damage
- Secondary Seal Guards Against Water in Cable
- Rugged Design Withstands 200% Overrange
- 1 TO 3 Days Expedited Shipment Available

APPLICATION

The Delta Controls Model 590 level transmitter has a small diameter and is suspended from its sensing cable. It measures the pressure caused by the height of water or another liquid above it. This pressure is converted into the height of liquid. This liquid level is then transmitted to an above ground or remote location as a 4-20mA analog signal.

TYPICAL LEVELS SENSED

- Static and Draw down in Water Wells
- Fluid Level in Test and Monitoring Wells
- Land Fill Leachate Level and Pump Control
- Water in Ground Storage and Elevated Tanks
- Chemicals, Fuel, Lube Oil in storage Tanks
- Ponds, Roadside Ditches, and containments

SPECIFICATIONS

Sensing Technology: Silicon strain gage
Sensor Protection: Oil filled 316 SS diaphragm
Wetted Materials: 316 SS, Viton®, Nylon, PVC, Poly. Tefzel®; Others available
Pressure Range: 0-2 to 0-120 PSIG; also inches/feet of water or metric equivalents
Accuracy: ±1% of sensor range or better; linearity, hysteresis and repeatability
Output Signal: 4-20 mADC over a 2 wire loop; isolated
Loop Supply Voltage: 13 to 36 VDC
Temperature Range:
30° to +110°F (-1 to +45° C) for 1% accuracy;
Operates 0° to +150°F (-20 to +70° C)
Thermal Error: 0.01% per °F, or less , 30 - 110°F
Barometric Effect: None
Hazardous Areas: Intrinsically Safe; Class 1, Division 1, Groups BCD;
CSA (For Canada and USA)
Signal Cable: Suspends transmitter; has a barometric vent tube; Poly or Tefzel® jacket
Voltage Surge Suppression: Basic
Lightning Protection: Optional

DELTA CONTROLS CORP