

## SUBMERSIBLE LIQUID LEVEL TRANSMITTER

### Model CP411

**Model CP411** is an all-welded, submersible unit designed to give accurate readings down to 30 meters of water.

With a stainless steel housing and molded cable (Polyethane or Polyurethane), it is completely sealed in to provide a high integrity IP68 submersible seal.

The atmospheric reference tube in the unique molded cable ensures the watertight and it is designed for a variety of corrosive



#### FEATURES:

- All stainless steel construction
- Small size – 28mm diameter & 137mm length
- Exotic wetted materials available
- Watertight/submersible design
- 4-20mA, 0-5V and 1-5V output available
- Oil & water proof cable
- High performance Silicon Sensor
- Range up to 30 meter water (50 psig)
- Protection from reversed polarity and surge voltage.
- Has the capability to resist RF interference.
- **Removable end cap**  
Additional features of the Model CP411 include a removable end cap to protect the diaphragm of the Silicon sensor.

#### PRESSURE RANGES:

- 0 to 0.5 thru 30 meter water.

#### TYPICAL APPLICATIONS:

- Down hole water wells
- Especially suited for narrow or restricted areas
- On ground and underground water tank
- Water & Sewage treatment plants
- Depth sensing in reservoirs, dams & rivers
- Depth sensing in filtration pits and open channels
- Oil Tanker & Storage tank

#### WIRING:

**RED** +POWER/SIGNAL  
**BLACK** -SIGNAL  
**BARE** CASE GROUND

#### Accuracy:

- Linearity (Best Fit Straight Line) % FSO  $\leq \pm 0.5$
- Hysteresis & Repeatability % FSO  $\leq \pm 0.25$

#### Connections:

- Pressure : Removable Protective Cap
- Electrical Cable: 3.5 meter standard Molded polyurethane jacket cable.

#### Electricals:

- Excitation voltage 12 to 30Vdc
- Output at 70°F : 4 to 20mA
- Zero & Span Balance :  $\pm 1.0\%$  FSO

#### Mechanicals:

- Proof Pressure: 1.5 times rated pressure.
- Burst pressure: 3.0 times rated pressure

Unless otherwise stated, these specifications are the standards to which the units are normally constructed. Upgrades or alterations may be easily and readily accomplished by the standard option code or be discussion with the factory. We invite your inquiry.

