

Liquid Level Temperature Transmitter



Feature:

CS-PTT400 Liquid level temperature transmitter are developed by Xi'an Chinastar M & C Ltd. This serial transmitter adopted high accuracy, high stability sensor components form Famous International companies. After compensating of stability amplifying circuit and temperature, the Liquid Level pressure and temperature of the measured medium has been converted to 4~20mA standard signal. This serial series allow simultaneous Liquid Level pressure and temperature measurement at a single point.

Application:

Our CS-PTT400 Liquid Level temperature transmitters can be widely used in measuring liquid level pressure and liquid temperature, such as the measurement of liquid level pressure and temperature of water, oil, mild corrosive liquids.

CS-PTT400E can be used in flammable environment.

- High accuracy, high stability
- Impact resistance, vibration resistance
- Wide temperature range operation
- Simultaneous liquid level pressure and temperature output , cost-saving
- Small size, easy installation, cost-effective

Technical data:

Measurement medium : Liquid

Measurement range : 0 ~ 1.....500mH₂O

Temperature range : 0 ~ 100°C

Pressure accuracy: 1% F.S, 0.5% F.S, 0.25% F.S (including non-linearity, repeatability, hysteresis)

Temperature accuracy : 1% and 0.5%(including non-linearity, repeatability, hysteresis)

Ambient temperature : -40 ~ 85°C
Storage temperature : -40 ~ 90°C
Relative humidity : ≤95% (40°C)

Overload Pressure : 1.5 times full scale
Bursting pressure: 3 times full scale
Stability : typical : ±0.1%FS/year MAX: ±0.2%FS/year
Pressure temperature compensation : -10°C ~ 70°C
Pressure temperature drift : ≤±0.05%FS%/°C(temperature range: -20 ~ 85°C,Including zero scale temperature affect)
Thermal response time : ≤15S
Signal output : 4~20mA (both liquid level pressure and temperature output)
Additional temperature error : ≤±0.015%FS/°C
Power supply : 9 ~ 36VDC
load characteristic : Max 750Ω when +24VDC
IP rating : IP68
Insulation Resistance : ≥100MΩ when current is 50VDC
Housing material : 316.SST
Electrical connection : 5-pin shielded cable
Process connection : thrown-in type