



LEVEL

Plastic Submersible Level Transmitter

Tek-Sub 4800A



Technology Solutions



1 FEATURES

- Measuring pressure ranges from 2.8 psig to 15 psig (2 mH₂O to 10.5 mH₂O)
- Temperature Compensated
- PTFE housing
- Ceramic pressure sensor design
- Variety of pressure and electrical options
- Standard Output 4-20 mA, RS-485, 0.5-4.5 VDC
- Accuracy: ±0.5% FS

3 APPLICATIONS

- Chemicals
- Brine
- Acids
- Sodium Hypochlorite

2 SPECIFICATION

Pressure range	2.8 psig to 15 psig (2 mH ₂ O to 10.5 mH ₂ O), Optional ranges available
Pressure type	Gauge
Over pressure	150% FS
Accuracy	±0.5% FS (max.)
Temperature coefficient-zero	±0.011% FS (typ.), ±0.016% FS (max.)
Temperature coefficient-span	±0.011% FS (typ.), ±0.016% FS (max.)
Long term stability	±0.2% FS/year (typ.), ±0.3% FS/year (max.)
Output signal	4 to 20 mA, RS-485, 0.5 to 4.5 VDC
Power supply (Vs)	12 to 36 VDC
Load resistance (R _L)	For current output: $R_L \leq (V_s - 15) / 0.02 \Omega$ For voltage output: $R_L \geq 10 \text{ k}\Omega$
Maximum current consumption	4 to 20 mA: 22.8 mA 0.5 to 4.5 VDC: 2 mA RS-485: 6 mA
Response time	≤10 ms
Vibration	10g-force (20-2000 Hz)
Shock	100g-force (10 ms)
Insulation resistance	100 MΩ/50 VDC
Compensated temperature range	PTFE: 32 °F to 140 °F (0 °C to 60 °C)
Operating temperature range	PTFE: -20 °F to 160 °F (-29 °C to 71 °C)
Storage temperature range	-40 °F to 257 °F (-40 °C to 125 °C)
Maximum specific gravity	2.2
Housing	PTFE
Cable	PTFE or Polyurethane
Diaphragm	Ceramic (Al ₂ O ₃ , 96%)
O-ring	FKM (Flourine rubber)
Net weight	0.91 lb (412 g)