



LEVEL



Technology Solutions

# Wastewater Submersible Level Transmitter

## Tek-Sub 4800D



### 1 FEATURES

- Shielded cable with vent tube
- Completely sealed, stainless steel transmitter
- Temperature compensated
- No need for external adjustment and calibration
- Low maintenance, no moving parts
- Standard Output 4-20 mA, RS-485, 0.5-4.5 VDC
- Accuracy:  $\pm 0.5\%$  FS
- Durable protective sensor cage

### 3 APPLICATIONS

- Water and Wastewater
- Oil tank level measurement
- Sewage lift systems
- Hydraulic level monitoring
- Muddy liquid and thick slurries

### CONTACT US

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### 2 SPECIFICATION

Pressure range	5 psig to 20 psig (3.5 mH <sub>2</sub> O to 14 mH <sub>2</sub> O), Optional ranges available
Pressure type	Gauge (vented)
Over pressure	150% FS
Accuracy	$\pm 0.5\%$ FS
Temperature coefficient-zero	$\pm 0.75\%$ FS (typ.), $\pm 1.5\%$ FS (max.) Over compensated temperature range
Temperature coefficient-span	$\pm 0.75\%$ FS (typ.), $\pm 1.5\%$ FS (max.) Over compensated temperature range
Long term stability	$\pm 0.2\%$ FS/year (typ.), $\pm 0.3\%$ FS/year (max.)
Output signal	4-20 mA, RS-485, 0.5-4.5 VDC
Power supply (Vs)	12 to 36 VDC
Load resistance (R <sub>L</sub> )	$R_L < (V_s - 12) / 0.02A$
Vibration	10g-force (20-2000 Hz)
Shock	100g-force (10 ms)
Cycles	10x10 <sup>6</sup> cycles
Insulation resistance	100 M $\Omega$ /50 VDC
Compensated temperature range	32 °F to 140 °F (0 °C to 60 °C)
Operating temperature range	-4 °F to 158 °F (-20 °C to 70 °C)
Storage temperature range	-40 °F to 257 °F (-40 °C to 125 °C)
Media compatibility	All media compatible with 316 SS
Housing	304 SS
Cable	PTFE or Polyurethane
Diaphragm	316 SS
Seal ring	Viton
Oil filling	Silicone oil
Weight	8.8 lb (4000 g)