



LEVEL



# 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

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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, option ceramic
Seal ring	Viton
Oil filling	Silicone oil
Weight	8.8 lb (4000 g)