



LEVEL



Technology Solutions



Submersible Level Transmitter

Tek-Sub 4800B

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

3 APPLICATIONS

- Chemicals
- Water and Wastewater
- Beverages
- Hydraulic level monitoring
- Environmental remediation

CONTACT US

796 Tek Drive, Crystal Lake, IL 60014 USA

+1 847 857 6076
+1 847 655 7428

Email: tektrol@tek-trol.com

www.tek-trol.com

2 SPECIFICATION

| | |
|-----------------------------------|---|
| Pressure range | 5 psig to 20 psig (3.5 mH ₂ O to 14 mH ₂ 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 _L) | $R_L < (V_s - 12) / 0.02A$ |
| Vibration | 10g-force (20-2000 Hz) |
| Shock | 100g-force (10 ms) |
| Cycles | 10x10 ⁶ cycles |
| Insulation resistance | 100 M Ω /50 VDC |
| Compensated temperature range | 32 °F to 140 °F (0 °C to 60 °C) |
| Storage temperature range | -40 °F to 257 °F (-40 °C to 125 °C) |
| Housing | 304 SS |
| Cable | PTFE or Polyurethane |
| Diaphragm | 316L SS |
| Seal ring | Viton |
| Oil filling | Silicone oil |
| Weight | 0.9 lbs (408 g) |