

280-MBLT Submersible Level Transducer

The **280-MBLT Miniature Submersible Level Transmitter** is only 0.63" in diameter making it ideal for level monitoring in well and borehole applications. Constructed for years of trouble free service, the MBLT has a welded 316 SS body and 316 SS nose cap. Body top is also 316 SS and tapered to prevent damage or snares when pulling the unit out of the installation. Featured in the MBLT is a precision $\pm 0.25\%$ of full scale accuracy output. Lightning and surge protection is included standard to stand up in harsh applications. MBLT comes with polyether polyurethane cable material and all are vented for barometric pressure compensation. Vent is covered with a maintenance-free filter preventing particulate or water droplets from entering the transmitter.

Applications • Water tank levels • Ground water monitoring • Surface water monitoring

Specifications

Service: Compatible liquids
 Wetted Materials:
 Body and nose: 316 SS
 Cable: Polyether polyurethane
 Seals: Fluoroelastomer
 Label: Polyethylene polyamid
 Accuracy: $\pm 0.25\%$ FS (10' w.c. range is $\pm 0.30\%$ FS), optional $\pm 0.10\%$ FS
 Temperature limits: -4 to 176°F (-20 to 80°C)
 Compensated temperature limits: 0.25%: (0 to 70°C); 0.10%: (0 to 60°C)
 Thermal effect: 0.25%: $\pm 0.45\%$ FS TEB; 0.10%: $\pm 0.30\%$ FS TEB
 Pressure limit: 2x FS
 Power requirements: 10 to 33 Vdc
 Output signal: 4 to 20 mA dc 2-wire
 Response time: < 50 ms
 Max loop resistance: 1000 ohm @ 30 Vdc
 Electrical connections: Wire pigtail
 Mounting connection: Suspended below point being monitored
 Electrical protection: Surge/lightning protected per EN61000-4-5, Class 5
 Dimensions: 6.25" long x 0.63" diameter (158.3 x 15.87 mm)
 Weight: Body: 0.235 lb (0.107 kg); Cable: 0.037 lb (0.009 kg) per foot
 Agency approval: CE



Ordering Information

280-MBLT-15-40	Mini Submersible Level Transmitter, .25% accuracy, surge protection, 15' range, 4-20 mA output, 40' of vented polyurethane cable
280-MBLT-30-50	Mini Submersible Level Transmitter, .25% accuracy, surge protection, 30' range, 4-20 mA output, 50' of vented polyurethane cable
280-MBLT-100-120	Mini Submersible Level Transmitter, .25% accuracy, surge protection, 100' range, 4-20 mA output, 120' of vented polyurethane cable

Other ranges available.