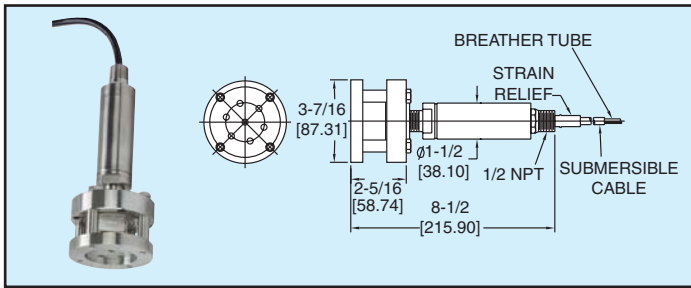




Series  
PBLT

# Submersible Level Transmitter

Perfect for Sludge and Slurries, Lightning Protected



**PBLT Submersible Level Transmitter** is manufactured for years of trouble free service in the harshest applications. The PBLT measures the height of liquid above it's position in the tank referenced to atmospheric pressure. The transmitter consists of a bonded foil, strain gauge, sensing element, encased in a 316 SS housing. Perfect for wastewater and slurry applications with features to protect the unit from these demanding applications. Superior lightning and surge protection utilizing dual arrestor technology, grounded to case, eliminating both power supply surges and lightning ground strike transients. Large diameter 316 SS diaphragm seal is non-clogging and damage resistant to floating solids.

Comes equipped with a 220-pound tensile strength, shielded, vented, Tefzel cable. Ventilation tube in the cable automatically compensates for changes in atmospheric pressure above the tank. The vent is protected with a filter eliminating moisture collection in the transducer.

#### APPLICATIONS

- Wastewater: sludge pits, clarifiers, digesters; Alum tanks; Chemical storage tanks; Oil tanks; Lime slurry; Sumps; Reservoirs

#### SPECIFICATIONS

- Service:** Compatible liquids.
- Wetted Materials:** 316 SS and 15-5 SS, Cable: Tefzel®.
- Accuracy:** ±0.25% of full scale.
- Temperature Limits:** -20 to 190°F (-28.9 to 87.8°C).
- Compensated Temperature Range:** 0 to 180°F (-17.8 to 82.2°C).
- Pressure Limit:** 2X full scale range.
- Thermal Effect:** Less than ±2.0% of full scale per 100°F.
- Power Requirement:** 9 to 36 VDC.
- Output Signal:** 4 to 20 mA DC, 2-wire.
- Response Time:** < 5 ms.
- Loop Resistance:** 750 ohms at 24 VDC.
- Electrical Connections:** Wire pigtail.
- Enclosure Rating:** Intrinsically safe with proper barrier.
- Mounting Orientation:** Suspended in tank below level being measured. Can be placed on the bottom of the tank on its side.
- Weight:** 8.8 lb (4.0 kg).
- Standard Features:** Calibration certificate.
- Electrical Protection:** Dual transient lightning and surge arrestors exceeding FM approved I/S and meet EMI/RFI standards Mil-STD 461/462 and ground to transducer case.

#### MODELS

Model Number	Pressure Range	Cable Length
PBLT-5-40	5 psi (.35 bar)	40 feet (12.2 m)
PBLT-10-40	10 psi (.69 bar)	40 feet (12.2 m)
PBLT-15-60	15 psi (1.03 bar)	60 feet (18.3 m)
PBLT-20-60	20 psi (1.39 bar)	60 feet (18.3 m)

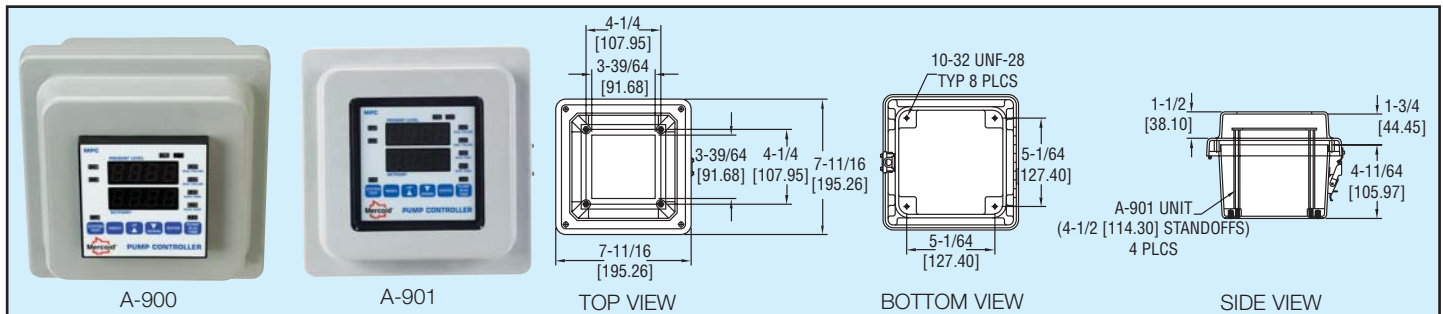
Extended cable length available contact the factory.



Series  
A-900  
&  
A-901

# 1/4 DIN Control Enclosures

Weatherproof, Durable, Pre-Cut Mounting Hole



**Models A-900 and A-901** are the perfect instrument housings for indoor or outdoor applications. Protects controls from dirt, dust, oil and water. Unit is rated weatherproof type NEMA 4X and has a fully gasketed cover. Standard features include a lockable latch to prevent tampering and flush mounting hardware. Includes feet and screws for flush mounting to a wall.

The Model A-900 comes standard with a 1/4 DIN cut out in the front cover. Controller will mount with front face exposed for easy access to the programming buttons. Love and Mercoïd controllers feature weatherproof NEMA 4X rated front panels and gaskets enabling the control to be weatherproof protected when installed in the A-900 even though the front face is exposed. Wiring an installed control is easy due to the hinged cover and spacious clearance for the control to swing out with front cover. The lockable latch prevents unauthorized removal of the control from the enclosure.

The Model A-901 comes standard with a clear plastic front window and mounting hardware to install the control inside the box. Controller mounts just behind the window assuring easy viewing.

#### For Models: 25XX3, 26XX3, 26X3X, 26X33, MPC

Ambient Temperature	Maximum Current	
	A-900	A-901
77°F (25°C)	10 Amps	10 Amps
104°F (40°C)	10 Amps	9 Amps
131°F (55°C)	7.5 Amps	6 Amps

#### SPECIFICATIONS

- Service:** Indoor or outdoor.
- Rating:** NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13.
- Materials:** Body: UV stabilized fiberglass reinforced polyester; Snap Latch: 304 SS; Hinge: Stainless Steel; Mounting Feet and Screws: 304 SS; Window: UV stabilized polycarbonate; Cover Gasket: Neoprene.
- Agency Approvals:** UL 508.

#### Control Temperature Limits:

When using the enclosures with controls that have 10A relay outputs the extra heat generation decreases the maximum ambient temperature value that the control can be used at inside the enclosure. Other outputs on our controls are not a concern.

#### MODELS

Model Number	Description
A-900	Weatherproof enclosure, Type 4X. Control direct panel mounts in the front of the enclosure.
A-901	Weatherproof enclosure, Type 4X. Clear plastic window with rear panel for mounting the control inside the enclosure.