



Microcom Design, Inc.

Water-Level Pressure Sensor (Submersible)

P/N: WL-102-PT



The WLP is the latest generation of wet pressure transducers. It allows the measurement of water head to a fine degree of accuracy and repeatability. The unit consists of a strain-gauge bridge-sensing element fitted to a housing, both of which are Type 316 Stainless Steel. The electronic circuitry is contained within a factory sealed housing. The electrical connection is made via a multicore-vented submarine cable. The sensor comes standard with a hydrophobic filter (Sintered) on the DCP connection end of the cable to prevent the entry of dust and humidity.

Specifications

Operating range: 5 m to 50 m (0-5m, 0-10m, 0-15m, 0-20m.....0-50m)

Overall Accuracy: ±0.05% full scale

Long Term Stability: Typically ± 0.05% F.S. per yr.

Overpressure: 2.67 x ranges

Supply Voltage: 9 - 30V DC

Output Signal: SDI-12

Operating Temperature range: -20°C to + 60°C

Compensated Temperature Range: -2°C to + 30°C

Humidity: 100%

Isolation Diaphragm: 316 Stainless Steel

Electrical Connection: Four wires stripped, twisted & tinned

Junction Box: Black Delrin housing (37.5mm diameter x 75mm long)

Termination: Vented cable with hydrophobic filter, 8 pin bayonet socket for electrical connection with 1m mating lead.

Vented Cable Std.: 6 Core vented polyurethane with Kevlar strength members 1m

Vented Cable Optional: Additional length available

Voltage Spike Protection: Units will withstand a 600V

Calibration: Over full range against water head

Insulation: Greater than 100Mat 500 V d.c.

Dimensions:
Length: 200 mm
Diameter: 21 mm Dia.
Weight: 400 g

Packed Weight: 0.5 kg

Options

Junction Box with Filter (265-1062)

Cable with Mil-Spec for connection to Junction Box (265-1062-1)



Junction Box P/N: PT-101-J

Incorporates a Sintered Filter for complete moisture protection >1 year without servicing.

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