

MPE Level Probe Specification

The level measurement probe shall provide a rugged, reliable, and cost-effective means to measure level for water and wastewater applications. The conductance level probe shall be UL Listed.

The level probe shall connect to a pump controller (or conductance level probe relay) that is designed to monitor a conductance probe to perform level measurement. The level probe shall be capable of accepting a +/- 12V square wave signal. The level shall be detected when the liquid level touches a stainless steel electrode on the conductance level probe.

The level probe electrode material shall be Avesta 254 grade stainless steel. The level probe casing material shall be blue and white PVC. For the three-point and ten-point level probes, both the inner and outer jackets for the level probe cable shall be PVC. The inner jacketed wire shall be tinned copper, 18 AWG, and the individual conductors shall be numbered. The outer casing for the three and the ten conductor cables shall be blue. Single-point conductance level probes may be constructed with a PVC/ PVC cable or EPDM cable.

There shall be a strain relief where the cable enters the level probe.

Level Probe Part Number Information:

Part Number: LP-A-B-50, LP-A-B-100

Where A = Probe Length in inches

Where B = Number of electrodes

Where 50 and 100 = number of feet for cable length

<u>Probe Length</u>	<u># of Electrodes</u>	<u>Spacing Between Electrodes (in inches)</u>
7	1	N/A
19	3	6
52	10	5
61	10	6
79	10	8
97	10	10
115	10	12

The conductance Level Probe shall be manufactured by Motor Protection Electronics of Apopka, Florida, (407) 299-3825.