

Symprobe™ Two-Wire Capacitance Level Transmitter

Application

The general purpose two-wire capacitance transmitter provides contact level measurement up to 10' or 3m, and is ideally suited for clean, water-based, non-coating corrosive liquids with constant chemistry. The transmitter is typically selected for pressurized day tank and process vessel applications. Media examples include nitric and hydrochloric acid.

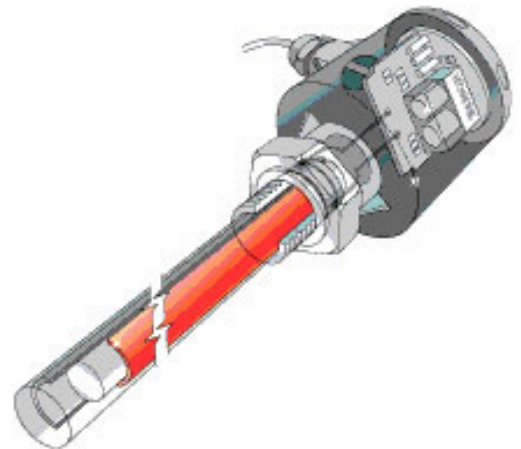
Features

- FEP probe for use with highly corrosive acid solutions
- Self grounding probe does not require reference in plastic tanks
- Easy potentiometer calibration with power LED and span invert switch
- Small probe mounts in 3/4" fitting



Specifications

Range:	1' to 10' (30cm to 3m)
Accuracy:	± 1% of full span
Conductive range:	> 100 microohms
Dielectric range:	> 20 constants
Supply voltage:	14-36 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Potentiometer
Process temp:	F: -40° to 158° C: -40° to 70°
Pressure:	75 psi (5 bar)
Enclosure rating:	NEMA 4X (IP65)
Probe material	FEP
Conduit:	1/2" NPT
Process mount:	3/4" NPT (3/4" G)
Classification:	General purpose



Tech Tip

For remote relay control and indication, package your level transmitter with the LC52-1001 continuous relay controller. The spanable controller features up to three process set points with two relay outputs and an isolated 4-20



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Part Numbers

LP75-20 1-

Process mount (1) (2)

0 3/4" NPT (US)

6 3/4" G (Metric)

Probe length (3)

US

012 12" (30 cm)
018 18" (46 cm)
024 24" (61 cm)
036 36" (91 cm)
048 48" (122 cm)
060 60" (152 cm)
072 72" (183 cm)
084 84" (213 cm)
096 96" (244 cm)
108 108" (274 cm)
120 120" (305 cm)

Metric

050 50 cm (19.7")
100 100 cm (39.4")
150 150 cm (59")
200 200 cm (78.7")
250 250 cm (98.4")
300 300 cm (118.1")

Ordering Notes

- 1) The straight G thread version seals with an included Viton® mounting gasket.
- 2) For installation on open tanks, order the LM50-1001-3/4" (3/4" NPT) or LM50-1061-3/4" (3/4" G) side mount bracket.
- 3) Custom probes may be special ordered in 1/2" (1.3 cm) increments from 12.5" (32 cm) to 119.5" (303 cm) (ie: LP75-2001-81").

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