

TRANSGAUGELPS CAPACITANCE LEVEL TRANSMITTER

Applications:

- Continuous measurement of liquid level in tanks and vessels.
- Initiation of high or low level alarms and pump start/stop controls.
- Suitable for both static and mobile applications

Features:

- Adjustable integral level switches.
- Suitable for conductive and non-conductive liquids.
- Easy to install and set-up.
- Choice of output signals.

Function:

The Transgauge LPS measures the level of liquid in a tank using capacitive techniques. There is no electrical contact with the liquid, other than an electrical earth connection. It produces both current output and a voltage outputs, which can be used by monitoring instruments or control systems. It also gives high and low trip outputs that can be used to provide alarms or to control pumps or valves.

The operating modes allow the user to calibrate the probe to any required range (for most types of liquid), calibrate the voltage and current outputs for any required meter range, set high/low trip points and hysteresis, and to electronically damp the reading if required (to give a steady reading if the liquid is agitated).

The probe consists of a stainless steel tube with a concentric centre electrode. Breather holes at the top and bottom of the tube allow the liquid to flow freely into and out of it. The electronics are housed in a small head box, which also contains the electrical terminals and switches to configure the operating mode.

Probes are manufactured to suit tank height and a specification sheet should be completed by the customer to confirm dimensions and signal requirements. Please refer to DIM7220 overleaf.

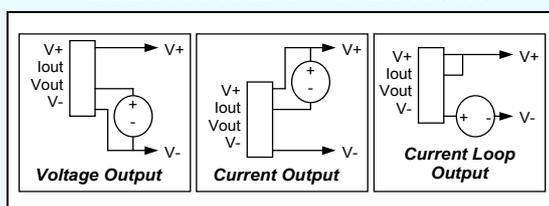
Remotes indicators calibrated to suit tank dimensions are available with dials scaled in fractions, percentage and engineering units. We also have a range of auxiliary modules providing additional trip level switches plus audible and visual alarm mute/test controls.



TECHNICAL SPECIFICATION

Power requirements:	7.0...30.0 Vdc
	If using trip level outputs: 10.0...30.0 Vdc
Max output span:	0...10.0 Vdc 0...25.0 mA
Trip outputs:	2 x SPST relays rated 240 Vac 1 A
Maximum voltage on any terminal relative to case earth:	240 Vac
Probe length:	Minimum 250 mm Maximum 3000 mm
Accuracy:	+/- 1 % of maximum output span
Fixing:	1" BSP parallel thread
Enclosure:	Polyester coated aluminium Rated IP67 98 x 68 x 35 mm

ELECTRICAL CONNECTIONS



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