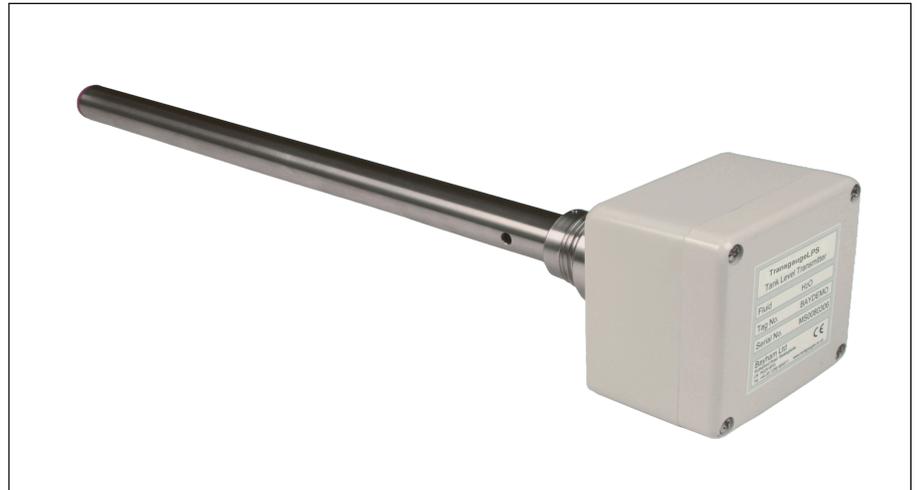


## DIRECT READING TANK CONTENTS GAUGES

The Bayham TRANSGAUGE LPS liquid level transmitter measures the level of liquid in a tank using the latest high resolution capacitive technology.

The probe consists of a stainless steel tube with a concentric centre electrode. A breather hole at the top of the tube allows 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.



Both current and voltage outputs can be generated, which can be used by monitoring instruments or control systems. High and low trip outputs providing signal alarms or control points for pumps or valves are also incorporated within the unit. Versions for both conductive and non-conductive fluids are available.

Using the customer supplied information or fluid tank drawings, the probe is pre-calibrated during manufacture and set to give the required signal outputs and switch levels. A facility exists in the electronics to modify these settings at a later date if site conditions change.

Remote indicators calibrated to suit tank dimensions are available with dials scaled in fractions, percentage or engineering units. In addition, the Bayham range of auxiliary modules provide additional trip level switches, power supplies plus audible and visual alarm mute/test controls.

### 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:

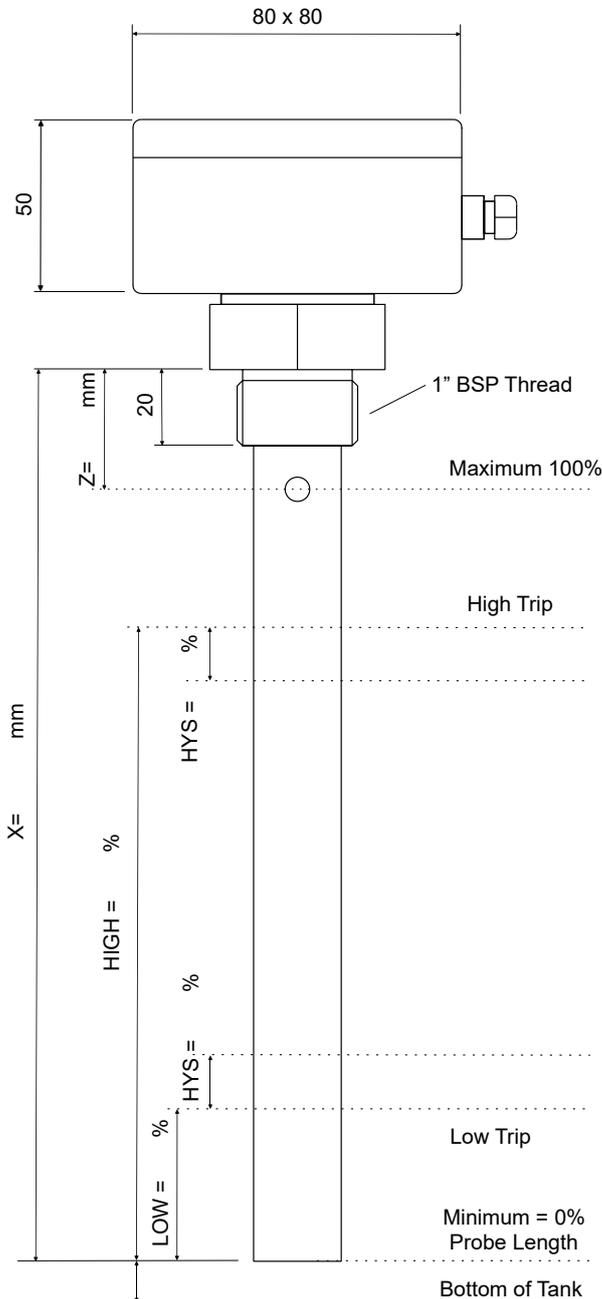
- Adjustable integral level switches
- Versions available for conductive and non-conductive liquids
- Easy to install and set-up
- Choice of output signals

### TECHNICAL SPECIFICATION

Power requirements:	10 - 24 Vdc
Max. output span:	0 - 10 Vdc 0 - 25 mA (0 - 6 Vdc and 4 - 20 mA standard settings)
Relay outputs:	2 x SPST relays rated 240 Vac 1A
Probe length:	Minimum 250 mm Maximum 2500 mm
Accuracy:	Typically 2 mm per 1 m probe length
Fixing:	1" BSP parallel thread

## DIRECT READING TANK CONTENTS GAUGES

### TRANSGAUGE LPS - ORDERING DETAILS



#### Information required when specifying:

Fluid - please specify .....
Output signal - Please specify option A or B
A. Current Output (Active) ..... - 20 mA and Voltage Output -..... V
B. Current Output (Loop Powered) 4 - 20 mA *

\* Note relay outputs immobilised in loop powered mode

Dimension 'X' is typically set so the minimum reading (0%) is at the centre of the tank outlet (Minimum from tank bottom 25 mm)

If dimension 'Z' is not specified, it is set to 45 mm  
 If dimension 'LOW' is not specified, it is set to 10%  
 If dimension 'High' is not specified, it is set to 90%  
 If dimension 'HYS' is not specified, it is set to 2%

All dimensions in mm

Bayham manufacture and supply liquid measurement systems and gauges for a wide range of markets and applications. Please feel free to contact us for further information or guidance on specifying the correct solution to suit your exact requirements.