Pressalis

Datasheet

Submersible level transmitters

LT12

PTFE level transmitter for corrosive liquids



Submersible PTFE probe with a separate IP65 electronics housing, 1 to 30 m, two-wire 4 to 20 mA.

Depth range	Output	Accuracy	Protection
0 to 1 m up to 0 to 30 m	**4 to 20 mA, two-wire**	**±0.5 or ±1 % of span**	**Probe IP68, housing IP65**

Overview

LT12 is a submersible level transmitter for liquids that attack stainless steel. The probe is PTFE and sits in the liquid on its cable, while the electronics sit in a separate field housing above it. The probe is sealed to IP68 and the electronics housing to IP65. Ranges run from 0 to 1 m up to 0 to 30 m.

It goes on acid and alkali storage tanks, chemical dosing tanks, neutralisation pits and industrial effluent sumps, where a stainless probe would corrode. Listed media are water, oil, acids, alkalis and other corrosive liquids. In water and wastewater plants it covers the chemical tanks beside the process as well as aggressive effluent.

Output is 4 to 20 mA on two wires, supplied at 9 to 30 V DC and connected on terminals inside the housing. Accuracy is ±0.5 % or ±1 % of span and medium temperature is -10 to 70 °C, with no freezing. There is no process thread: the probe hangs on its cable.

Specifications

Measurement

Measurement	Hydrostatic level, submersible
Depth range	0 to 1 m up to 0 to 30 m water column
Accuracy	±0.5 % or ±1 % of span

Medium and environment

Media	Water, oil, acids, alkalis and other corrosive liquids
Probe material	PTFE
Medium temperature	-10 to 70 °C, no freezing

Electrical

Output	4 to 20 mA, two-wire
Supply	9 to 30 V DC
Electrical connection	Terminals in the electronics housing
Protection	Probe IP68, electronics housing IP65

Mechanical

Construction	PTFE probe on cable, separate electronics housing
Mounting	Suspended on its cable, no process thread

Common configurations

Any combination from the ordering code can be quoted. Other ranges and connections on request.

Depth range	Output	Accuracy	Order code
0 to 2 m	4 to 20 mA	±0.5 % of span	**LT12-W2-A05**
0 to 5 m	4 to 20 mA	±0.5 % of span	**LT12-W5-A05**
0 to 10 m	4 to 20 mA	±0.5 % of span	**LT12-W10-A05**
0 to 20 m	4 to 20 mA	±0.5 % of span	**LT12-W20-A05**
0 to 5 m	4 to 20 mA	±1 % of span	**LT12-W5-A1**

Ordering code

One code from each group, in this order. Example: **LT12-W1-A05**. Send the code and the quantity to **contact@pressalis.com** for a quote.

LT12 Model - **W1** Depth range - **A05** Accuracy

Depth range

W1	0 to 1 m water column
W2	0 to 2 m water column
W5	0 to 5 m water column
W10	0 to 10 m water column
W20	0 to 20 m water column
W30	0 to 30 m water column
X	Other range, state in the request

Accuracy

A05	±0.5 % of span
A1	±1 % of span