

PNLIV... - PNEUMATIC LEVEL METER

Accurate and reliable gauges of level for liquids in hard environmental conditions.

Applications:

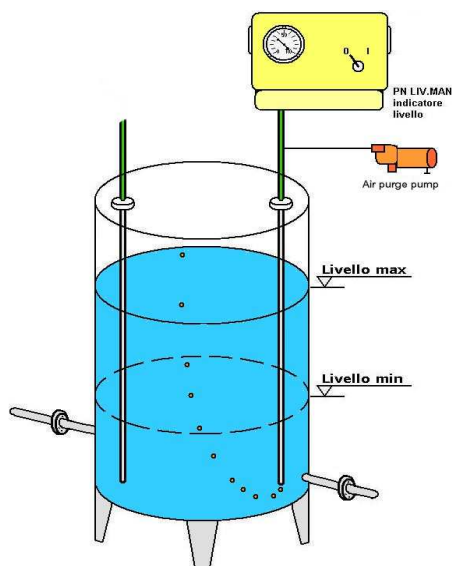
- Tanks and reservoirs levels
- Process industry liquid level
- Groundwater level and monitoring
- River, irrigation, channel water level
- Tidal, discharge, wastewater monitoring
- Flood warning systems



PNLIV.DGT Electronic version

DESCRIPTION

PNEULIV determines the level of a liquid by measuring backpressure of a gas bubbler system, that is produced by an eccentric diaphragm pump for air (= air purge pump). A flow regulator of purge system maintains constant the flow rate set on the precision adjusting valve independently of fluctuations in inlet pressure. The versions with double purge system offers the vantage of common inlet and two separate and independent outlets with double flowrate scale reading on single flowmeter, when two tanks (or two groups of tanks), are no-joined. A stainless steel tube (Di= 6...8 mm) is submersed in the fluid to be measured and purged with inert gas or air. Level changes of liquid cause variations of static pressure in submersed tube that are pointed out by analogical indicatore or sent to LED's display through an electronic DP transmitter. Linearization 16 level points in linear signals for level reading of not regular section tanks. The main advantage of this technique of level measurement is that the electronics is remote from the fluid, ensuring long term reliability, lowest risks and general purposes.



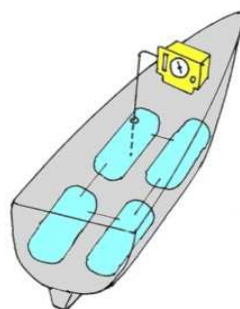
- Zero and full scale setting up.

Versions:

- PNLIV.MAN - analogical indicator
- PNLIV.DGT - digital display
- PNLIV.RG/N* - analogical and digital device with single or double purge regulator

FEATURES

Range:	0...2000/4000/6000 mm H2O
	Digital display: liter or kg.
Accuracy:	+/- 0.5 .. +/- 1% f.s.
Supply:	12 or 24 Vdc - 12...220 Vac
Level function:	2 set points alarms
Level tube:	nylon, ptfе, inox
Electric panel:	245 x 190 x depth 120 mm
Digital display:	48 x 96 mm std - 6 cfr LED
DP gauge:	DN 100 mm
Purge regulator:	AISI316



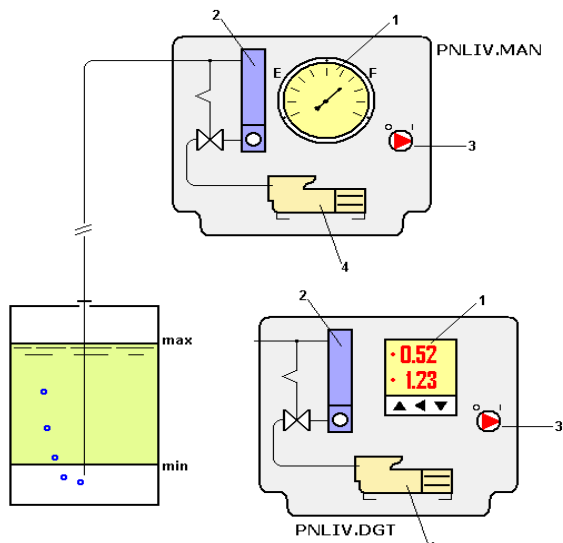
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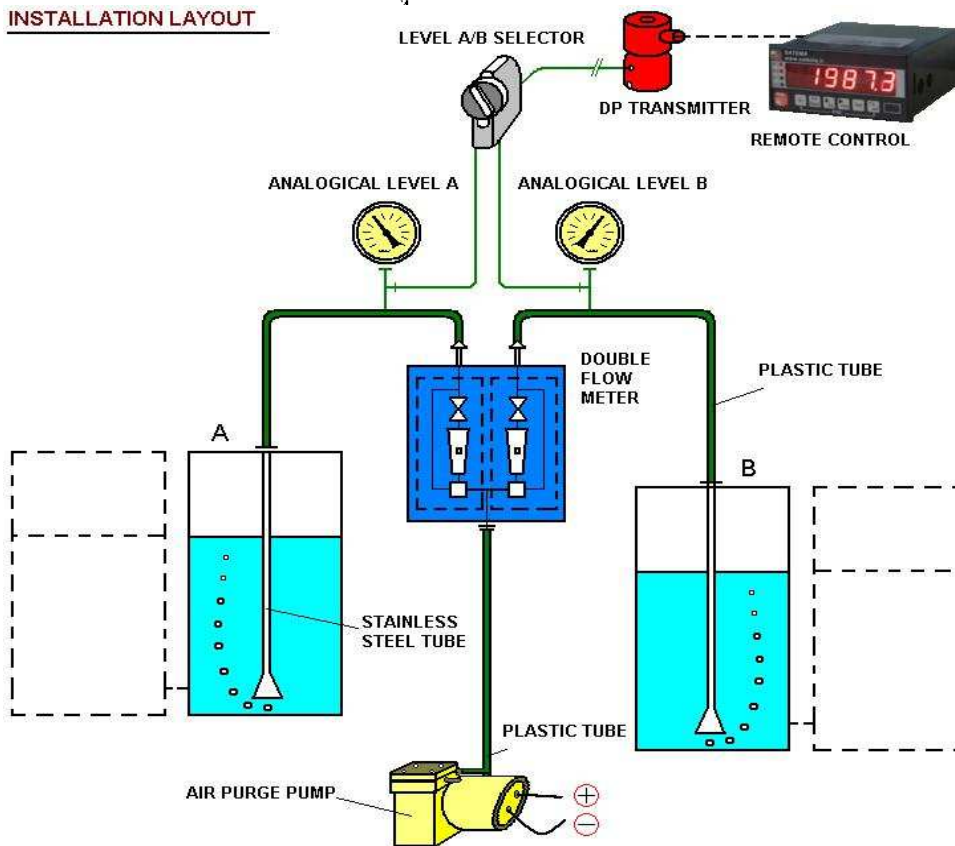
Legenda

- 1. Level indicator
- 2. Air flow rate indicator
- 3. On Off Supply
- 4. Micro air purge pump

Versions:

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INSTALLATION LAYOUT



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