



L21S – Direct Level Gauge

Direct Level Gauge L21S

The level gauge is connected by flanges or threaded connections in vertical position to the side of the tank, where are levels monitored. It works on the principle of communicating vessels. Level gauges are used for direct monitoring of liquid level in pressure and non-pressure reservoirs. Measuring glass tube is protected by a metal safety cover. Level gauge must not be subjected to shocks and vibrations.

Technical data

L21S

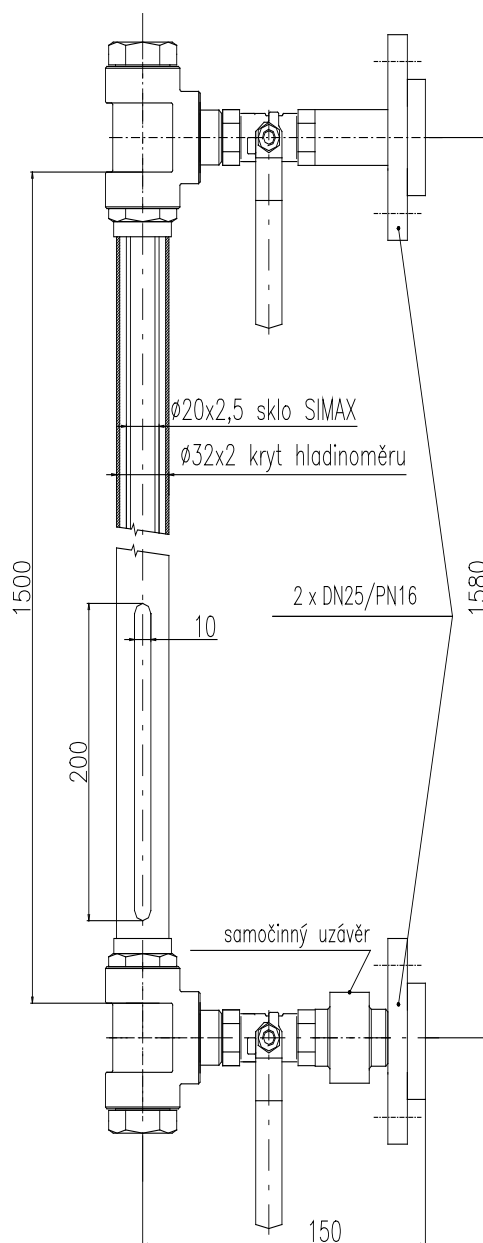
Type of gauge	L21S
Medium	Liquids
Max. range	0,1 – 3 m
Max. pressure	1,6 MPa
Max. temperature	-30 to +200°C
Connect	By flanges from DN 15 to DN 50, or from PN 6 to PN 10
Material (parts in contact with liquid)	Glass, Stainless steel, brass, rubber, teflon
Mounting position	Vertical

Marking

L21S/.../.../.../ E.g.: L21S/1500/A25-16/S

0. 1. 2.

0. Range of flanges „M“ in mm
1. Connect the device to the tank, DN PN flanges
 - A – horizontal connection
 - B – vertical connection
 - C – vertical inlet, horizontal outflow
 - D – horizontal inlet, vertical outflow
2. Material design:
 - S – Glass



Equipment is approved

In terms of technical safety

Institute of technical inspection Prague,
organization of state supervision, Jílová 14,
Ostrava, Pod. č.j. 2990/07.02/99/15.07/1,2

For use in potentially explosive atmospheres

State testing laboratory no. 210 FTZÚ 02 ATEX
0453X

Ordering

When ordering please specify

- type medium, concentration in %, Content mechanical and ferromagnetic impurities
- density and viscosity
- Temperature and pressure (maximum and operating)
- Measuring range
- Units
- requirements for electrical outputs

Installation

- before device installation, check the measure body (must be clean)
- when inserting float be careful about correct position, the upper part has two recesses at a distance of 6 mm apart
- seal must be centered in the flanges and fittings
- Tighten the screw connections permitted torque designed for the operating pressure in the tanks
- Each device is pressure tested 1.5 times the operating pressure that is specified in the order
- Check the operational data on the label of the level gauge that correspond to the properties of the measured liquid
- Before start up, make sure the drain plug, air plug and vent cock are closed
- Open the shut-off valves with connecting flanges
- It is now ready for measuring