

### 1:1 TANK LEVEL / PRESSURE **Type LT-SAN** TRANSMITTER



### **ORDERING INFORMATION**

| The KLAY tanklevel/pressure transmitter type LT-SAN including 316 L weld-on nipple.                                       |
|---|
| ORDER CODE: LT-SAN m W.C V - HA - HT  |
| MODEL   |
| - Wetted parts are standard SS 316 L with PTFE packing.<br>- Standard a Viton O-ring is used. Other materials on request. |

- For low ranges (below 1 m WC) a Titanium diaphragm is used.
- Available on request, Hastelloy C wetted parts (extra price).

### **PROCESS CONNECTIONS:**

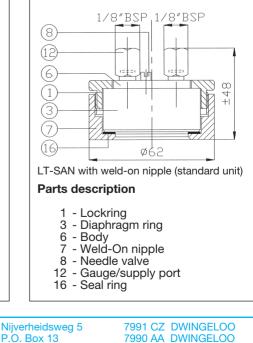
- Weld-on nipple (sanitary) diam. 62 or 85 mm
- Milkcoupling DN 40 (DIN 11851)
- Tri-clamp 2"
- Flange (DIN or ANSI) specify size

Code: LT-SAN - range-V-HA-HT Code: LT-SAN/C- range-V-HA-HT Code: LT-SAN/L - range-V-HA-HT Code: LT-SAN/F - range-V-HA-HT



The LT-SAN is a pneumatic 1:1 level and pressure transmitter with a strong flush mounted diaphragm. This 1:1 transmitter is often used for difficult level measurements in the food- and beverage and the pulp- and paper industry. Its accuracy is not effected by temperature changes which is in sealed systems often a problem. Therefore the LT-SAN is often used for level measurements in very small tanks (40 cm WC) in the food- and dairy industry. Ranges are available from 0,03 bar (30 cm WC) till 0-10 bar. The air supply must be 0,7 bar higher than the process pressure and at least 1,4 bar. Standard process connection is a sanitary weld-on nipple diam. 62 mm or 85 mm (specify size). The LT-SAN is also available with a DN 40 milkcoupling, a 2" Triclamp or with a flange (DIN or ANSI)

### **ENGINEERING DATA**



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## KLAY-INSTRUMENTS B.V.



## MINIATURE 1:1 PRESSURE TRANSMITTER

### **ORDERING INFORMATION**

KLAY 1:1 pressure transmitter including a SS 316 L weld-on nipple (ø 33 mm). Order code is shown below, specify the range.

| ORDER CODE:  | KLAY- | PR - | 7 BAR | - <b>v</b> - | HA - | нт<br> |  |
|--|-------|------|-------|--------------|------|--------|--|
| MODEL  |       |      |       |              |      |        |  |
| RANGE (SPECIFY)  |       |      |       |              |      |        |  |
| O-RING (VITON)   |       |      |       |              |      |        |  |
| DIAPHRAGM (HAVAR)  |       |      |       |              |      |        |  |
| TEMPERATURE (200°C)  |       |      |       |              |      |        |  |
| <ul> <li>Available on request special O-rings (extra price)</li> <li>Available on request Hastelloy C wetted parts (extra price).</li> </ul> |       |      |       |              |      |        |  |
| Use our type LT-SAN for ranges lower than 1 bar or on level applications.  |       |      |       |              |      |        |  |

### Parts description

- 1 Set screw & washer 6 Body
- 2 Outer O-ring
- 7 Weld-on nipple
- 12 Supply/gauge port
- 15 Rear lock ring
- 3 Diaphragm-ring 8 Needle valve
- ear lock ning

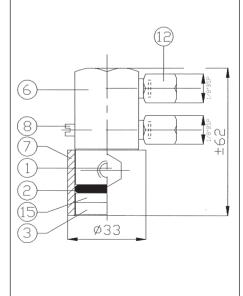
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### DESCRIPTION

KLAY miniature 1:1 pressure repeater has been developed for measuring pressure from plugging fluids, in pulpand paper or other types of industry, where plugging is a problem. The small diameter of the transmitter (25.8 mm / 1") permits flush installation with the inside wall of pipes over 50 mm (2") and thereby avoids the pocketing problems encountered with conventional flange mounted pressure transmitters and chemical seals. Its accuracy is not effected by temperature changes which is in sealed systems often a problem. RANGES available from 1 to 10 bar, ranges below 3.7 bar need a minimum air supply of 4.2 bar, ranges above 3.7 bar need a minimum of 0.5 bar above process pressure as supply pressure. ACCURACY ± 0.01 bar throughout range, zero error less than 0.07 bat, repeatability better than 0.03% from span.

**Type PR** 

### **DIMENSIONS (mm)**



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