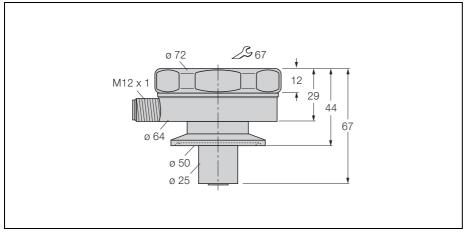


non-invasive filling level control sensor levelprox LPRE-T50-UP6X3-H1151



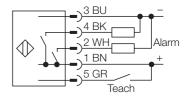
Туре	LPRE-T50-UP6X3-H1151 1606201	
Ident-No.		
Container 1 15 mm wall thickness		
Material	Steel, Stainless steel, Glass	
Min. container diameter	100 mm	
Max. container diameter	2000 mm (echo mode)	
	no limit (reverberation mode)	
Adjustment to ambient conditions	via push button or teach line	
Min. absolute repeat accuracy	≥ ± 5 mm	
Switching delay	110 sec (adjustable via DIP-switches)	
Rated operational voltage (DC) Up	15 30 VDC	

Switching delay	110 sec (adjustable via DIP-switches)	
Rated operational voltage (DC) U _B	15 30 VDC	
Function of switching element	programmable	
Alarm output	PNP	
No-load current I ₀	≤60 mA	
Rated operational current (DC) I _e	≤200 mA	
Overload trip point	>270 mA	
Max. voltage drop at I _e	≤2,5 V	
Switching frequency	≤1 Hz	
Time delay before availability	≤2 s	
Short-circuit protection	yes	
Reverse polarity protection	complete	
Wire breakage protection	yes	
Housing style	cylindrical/smooth; T50 (Tri-Clamp Gehäuse)	
Housing material	metal, A4 1.4404 (AISI 316L)	
Wiring	connector M12 x 1	

programmable	
PNP	
≤60 mA	
≤200 mA	
>270 mA	
≤2,5 V	
≤1 Hz	
≤2 s	
yes	
complete	
yes	
auticulai cat / casa atha. TEO /Tri Olassa Och ii cas	
cylindrical/smooth; T50 (Tri-Clamp Gehäuse)	
metal, A4 1.4404 (AISI 316L)	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1	
metal, A4 1.4404 (AISI 316L)	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C IP67	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C IP67 (cover screw connections tightened)	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C IP67 (cover screw connections tightened)	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C IP67 (cover screw connections tightened) III, SELV	
metal, A4 1.4404 (AISI 316L) connector, M12 x 1 -25+ 70 °C IP67 (cover screw connections tightened) III, SELV LED green	

- detection of liquids through the wall of a container
- echo or reverberation mode adjustable via DIP switches
- suited for a large variety of container materials such as metal and glass (plastic and other materials on request)
- non-invasive, without medium contact, thus especially hygienic
- simple mounting with welding or adhesive Tri-Clamp adapter
- alarm output and alarm indication in case of errors or insufficient coupling
- automatic teach-in of ambient conditions via push button or teach line

Wiring diagram



Function principles

Non-invasive ultrasonic sensors detect liguids through the metal wall of a container or tank by means of high frequency ultrasonic pulses. In the reverberation mode, the reflection of the interior container wall adjacent to the sensor are evaluated. Contamination of or air bubbles in the medium hardly effect operation, whereas residues on the container inside will lead to unwanted switching. In the echo mode, the sound is evaluated that it reflected by the opposing interior wall. Residues on the container inside will not cause any problems; but if the container contains built-in components such as stirring devices, or if the medium is contaminated or contains air bubbles, this operation mode may not be used. Electrical or acoustic interference or a sensor failure due to insufficient coupling are indicated by an LED and an alarm output.



non-invasive filling level control sensor levelprox LPRE-T50-UP6X3-H1151

Accessories

Тур	Ident-	Description	Dimension drawing
	No.		
LP-MS-T50-S	6900253	Tri-Clamp adapter for weld mounting. seal and clamping collar are included in delivery.	9.70
LP-MS-T50-K	6900255	Tri-Clamp adapter for adhesive mounting. Seal, clam-	# 50/A # 29
		ping collar and two-component adhesive are included in delivery.	9.78 71.5 9.58 9.29 9.50.4