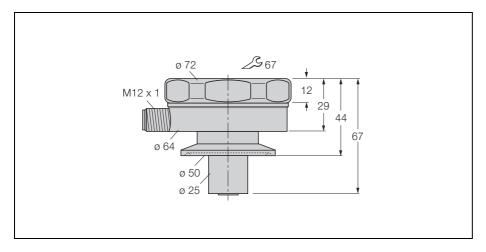


non-invasive filling level control sensor levelprox LP-T50-UP6X3-H1151



Туре	LP-T50-UP6X3-H1151 1606200	
Ident-No.		
Container	1 15 mm wall thickness	
Material	Steel, Stainless steel, Glass	
Min. container diameter	100 mm	
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) 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	

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	
Operating temperature	-25+ 70 °C	
Degree of protection	IP67	
	(cover screw connections tightened)	
Protection class	III, SELV	
Supply voltage indication	LED green	

complete

LED yellow

Reverse polarity protection

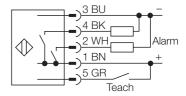
Switching status indication

Error indication

Alarm indication

- detection of liquids through the wall of a container
- 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 liquids through the metal wall of a container or tank. For this, they generate a high frequency ultrasonic pulse whose echo is detected and evaluated by the sensor. The sensor compares the actual echo with the taught curves representing the empty and filled status of the container und sets the output accordingly. Electrical or acoustic interference or a sensor failure due to insufficient coupling are indicated by an LED and an alarm output.

LED red flashing and alarm output on

LED red on and alarm output on



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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