



KLAY

ULTRASONIC LEVEL SWITCH UTS

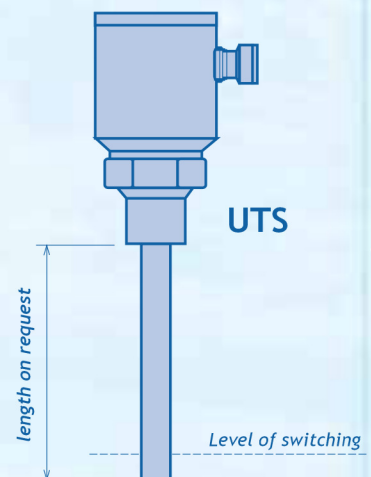


- EASY INSTALLATION
- NO MOVING PARTS
- NO MAINTENANCE
- AUTOMATIC SELF TEST
- NO CALIBRATION NEEDED
- INTRINSICALLY SAFE
- ADJUSTABLE ALARM POINTS
- NON SENSITIVE TO FOAM

DESCRIPTION

Built on patented acoustic wave technology the UTS has a level of accuracy and reliability never seen before. The technology ensures the accuracy of measurement regardless of shape of tank, type of liquid and temperature.

The UTS is installed outside the tank with only the metal rod inside the tank. Acoustic waves in the metal rod created by piezo-electric transducer ensure the transmission of signals. When the liquid in the tank reaches the probe on the rod, the emission of sound waves is muffled. This change is picked up by the piezo-electric transducer and signals are transmitted to the corresponding alarms. Having only the metal rod inside the tank and no mechanical or moving parts means no maintenance is required.



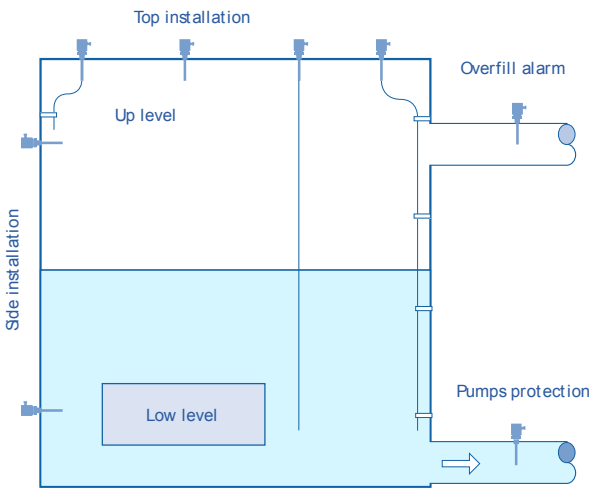
KLAY-INSTRUMENTS

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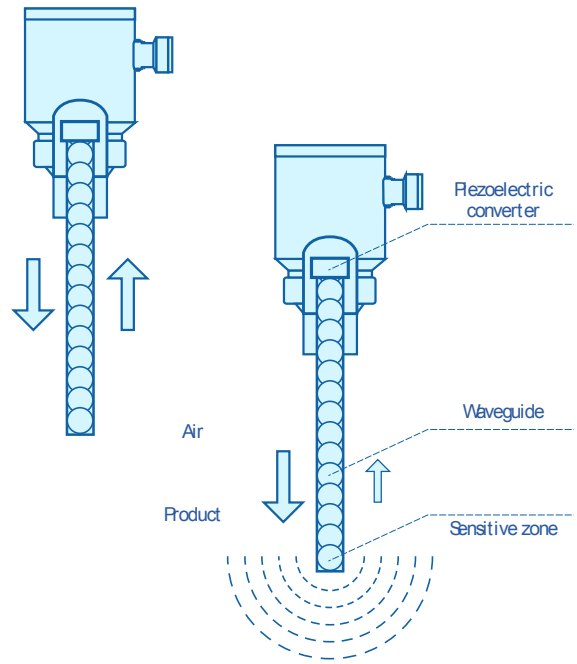
7991 CZ Dwingeloo
7990 AA Dwingeloo
The Netherlands
Website: www.klay.nl

SPECIFICATIONS

Length : 25mm / 112mm / or any on request
 Material : Stainless steel or Hastelloy
 Input : 18 to 30 V DC
 Output : 6-13 mA current loop or relay
 Intrinsically safe : Ex ia IIC T6
 Operating temp. : Ambient -55°C to +85°C
 Product -200°C to +450°C
 Pressure : up to 200 bar



WORKING PRINCIPLE



APPLICATIONS

Designed for the harsh environment in tank installations onboard or ashore, the UTS sensor provides the correct data for constant liquid level control including indication of the top and bottom levels as well as monitoring of pumps. Protection of pumps as well as prevention of spillage is obtained with a high level of efficiency. Due to modern technology the UTS can operate and provide accurate measurements in any liquid, in extreme temperatures and in any shape of tank.

ORDERING CODE

HOUSING	CODE	PROCESS CONNECTION	CODE	ELECTRICAL CONNECTION	CODE
IP67	67	M27 x 1.5	M27	PG13	P13
IP68	68	1" BSP cylindrical	01G	M24x1.5 female	M24
IP68 Submersible	M8	Flange DN25 PN10-40	F25	M20x1.5 female	M20
		Special, on request	XXX	Special, IP68, cable length m	XXX

UTS [] - [] - [] - [] - [] - [] - []

LENGTH	CODE	OUTPUT	CODE	PROCESS TEMPERATURE	CODE
Min. length 65mm	0065	Current 14mA (dry) 7mA (wet)	C1	Standard (-55/+100C)	L
Standard length 115mm	0115	Current 7mA (dry) 14mA (wet)	C2	Medium (-104/+140C)	M
Special, on request in mm	XXXX	Namur	NA	Maximum (-200/+450C)	H
		Dry contact open	R1		
		Dry contact closed	R2		

Standard	N
Ex ia IIC T6	I