

UTSTM

Ultrasonic Level Switch



Product data sheet



Main features:

- Any type of liquid
- Only a steel rod inside the tank (electronics and connections outside)
- No moving parts
- No maintenance required
- No sensitivity to foam

UTS IP67

UTS IP68

General description

The UTS™ has operating temperature range of -55°C to +100°C and is designed for level detection in cargo holds, wells and service tanks in sea and river ships, oil tankers, chemical tankers, gas carriers and offshore drilling platforms.

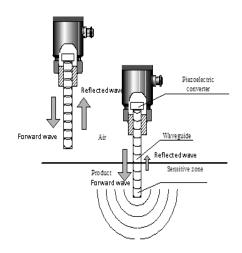
The operating principle of the UTS™ is based on a breakthrough patented acoustic wave technology, providing outstanding results in extreme operating temperature. The accuracy of measurement in ensured regardless of the shape of the tank, type of liquid or liquid temperature.

Overfill alarm

Up level

Pumps protection

The UTS™ is installed outside the tank/pipe with only a metal rod inside the tank/pipe. The UTS™ can be easily installed in vertical, horizontal or any inclined position and is tested for operation in a wide range of media. Can be installed indoors, as well as outdoors, including explosive environments and harsh arctic conditions. The UTS™ is characterized by a high resistance to sticky products, high robustness and shock resistance and increased reliability under dynamic load and vibrations due to a reinforced rod and electronic unit of new generation.





UTS™

Ultrasonic Level Switch



Technical specifications

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a) Current: 7mA/14mA

b) Dry contact: NO/NC, current limit 200mA, max. switching

voltage 200V

Repetition of actuation level: Vertical installation: 3 mm

Horizontal installation: 1 mm

Power supply voltage: 18 – 30 V DC

Power consumption: less than 0,5 W

Ambient operating temperature: -40°C to +85°C, (-55°C to +85°C),

for IS -40°C to +57°C

Product temperature: -55°C to +100°C

Length of rod: Standard length 115 mm (minimum)

Other length on request

Relative ambient humidity: up to 100% at 50°C

Working pressure: Std. up to 40 bar

(special version up to 400 bar)

Response time: 1 sec. subject to actual programming

Protection rate: IP67, IP68

MTBF: 50000 hrs

Housing type: Stainless steel AISI 316L

Wetted parts: Stainless steel AISI 316L (hastelloy on request)

Process connection:

a) Thread: From G1, 1NPT, M27x 1,5

b) Flange: From DN 25

Others on request

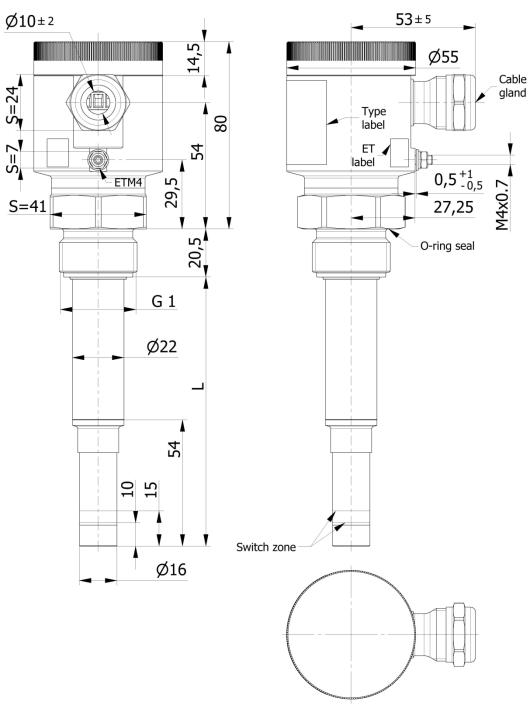
Ex protection: Ex ia IIC T5 (T6)







Drawings



(Example/illustrations only)



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