



OVERVIEW

Operation

LTAS uses vibrating fork technology. Designed around the tuning fork principle, it consists of a two-pronged fork which vibrates at its natural frequency. The frequency changes depending on the media in which it is immersed. When in air, the forks vibrate at the natural frequency.

Features

- Compact design
- Very long life
- Simple installation
- Setting by potentiometer
- Self cleaning
- Reliable and perfect for overfill prevention
- Green-Red signal lamp

Application

- Level sensing of most liquid and solids
- Corrosive, thick, turbulent and corrosive liquid level measurement
- Level control of granules and powders



OPERATING DATA

Temperature Limit

-20...150°C

Pressure

-1...64 Bar

Medium Density

Auto-learning setting by pushbuttons

Sensitivity

4 level adjustable

Standart Length

105(standard)...1200 mm max.

Ex proof classification

Exd II CT6

Enclosure

IP68

Humidity

%95 RH

CONNECTION

Connection On

G 1 1/2" ,DN50 PN20 Flanged others on request

Cable Entrance

M20x1.5

MATERIALS

Fork

Stainless steel 316

Wetted Parts

Stainless steel 316

Housing

Aluminum, Stainless steel

ELECTRICAL DATA

Relay Output

SPDT 4A/250 VAC 4A/60 VAC DPDT 3A/250 VAC 3A/20-72 VDC

Power Supply

20-60 VDC/ 20-250 VAC, 50-60 Hz

Consumption

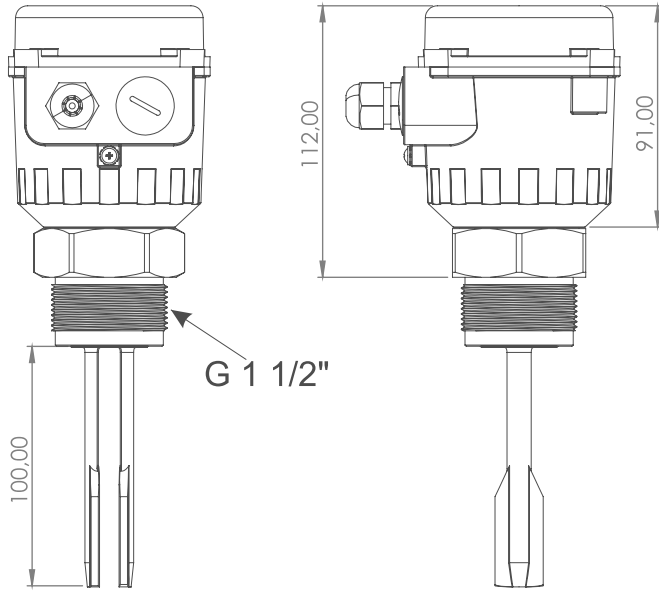
20-60 VDC (NPN/PNP)
DC 3W max./ AC 15W max.

Output

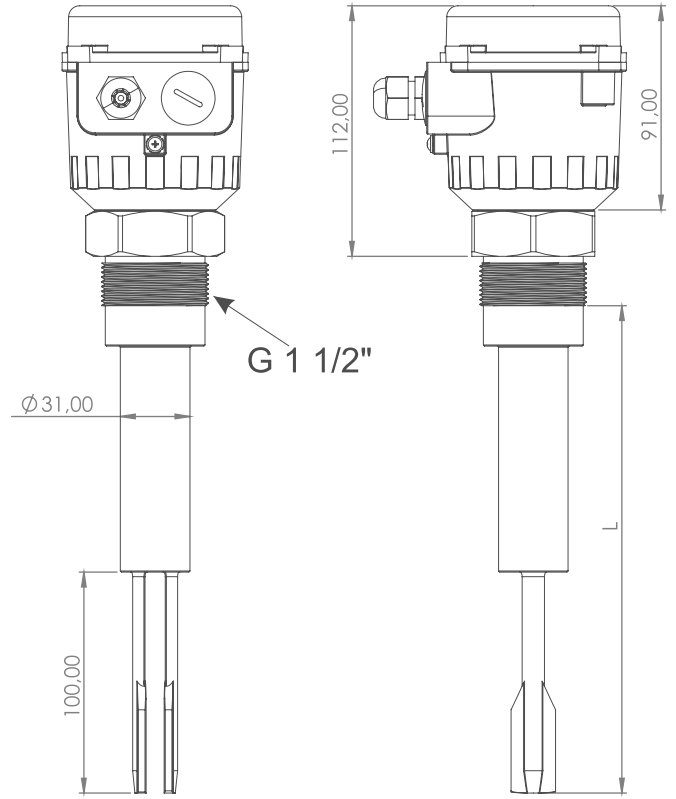
PNP/NPN 400 mA max. or 4...20 mA HART7



TECHNICAL DRAWINGS AND DIMENSIONS



LTAS 10



LTAS 20

ORDERING

Model	
LTAS	Vibrating Fork Level Switches

Hazardous Area	
E	Ex d IIC T6
N	None

Fork Length	
10	105 mm, standard
20	Extension (Specify in order)
30	Extension rope (Specify in order)

Connection	
T	Thread
F	Flanged (specify in order)

Output	
1	SPDT
2	DPDT

