

Ultrasonic Level Transmitter

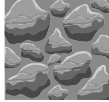
LULT



LIQUID



SOLID



OVERVIEW

Operation

LULT series Ultrasonic Level Transmitter; They are instruments used for level and distance measurements of liquid and solid fluids, measuring range can be adjusted up to 10 meters by the user. In addition to the standard 4-20 mA analog output, 0-10 VDC, RS485-MODBUS RTU and HART communication module and TFT display can be optionally selected. Thanks to the graphic display, threshold values can be monitored.

Application

- Electrical, metallurgical, food industry
- Petroleum
- Chemical industry
- Water treatment
- Papermaking

Features

- Easy installation
- Automatic temperature compensation
- Simple structure
- High accuracy
- Low power consumption
- Wide measuring range
- Non-contact measurement without any mechanical component. It is ideal applications for solvent, hydrocarbon and petroleum
- Ability of measuring the level of liquid and solid
- Echo correction function
- Compact and remote display options

OPERATING DATA

Temperature Limit	-40...70°C
Inactive Area	< 0,3 m
Accuracy	±0.2 %
Reversed Pol. Protection	Yes
Minimum Resolution	1 mm
Housing Protection	IP66/ IP67,IP68
Hazardous Area	Ex d IIC T4 on request
Response Time	<1sec.
Watchdog	Yes
Temp. Compensation	Yes
Connection	G1 1/2" (0-4 m and 0-6 m) G2" (0-10 m) DN100 Flange (0-20 m)
Display	Compact or remote TFT display
Pressure	-1...4 Bar

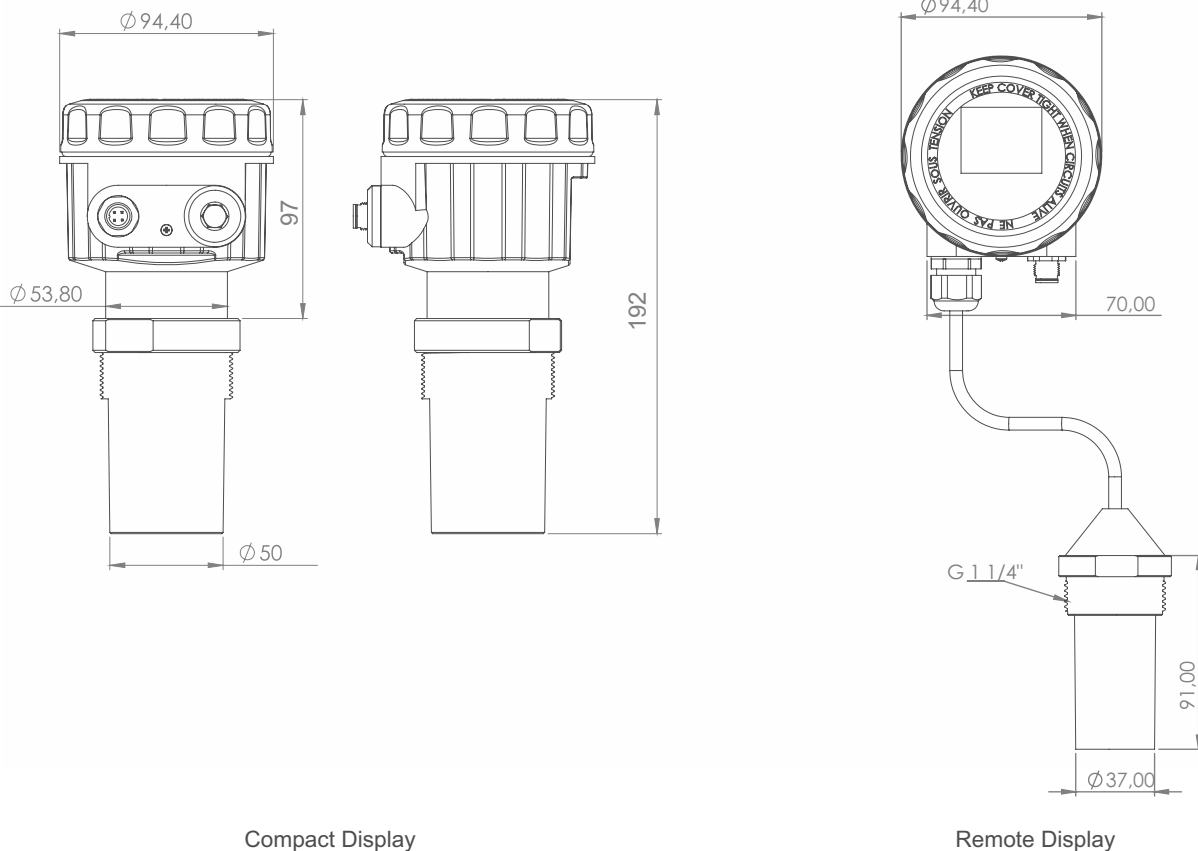
MEASURING RANGES

Range	0...4 m
	0...6 m
	0...10 m
	0...15 m
	0...70 m

MATERIALS

Housing	ABS, Aluminum
Sensor	PP, PTFE, PVDF

TECNICAL DRAWING AND DIMENSIONS



Compact Display

Remote Display


ELECTRICAL DATA

Output	4...20 mA or 0-10 VDC/ 2 additional relay
Power Supply	20...36 VDC, 220 VAC
Current Consumption	<50 mA
Max. Load	750 ohm
Voltage Dropping	<3,5 V
Electrical Connection	M12 pin connector, PG connector

COMMUNICATION

On request	MODBUS RS-485 HART
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WIRING

+	-		A	B	+	-
20...36 V DC SUPPLY		GROUND	RS485 MODBUS		4...20 mA OUTPUT	

* 4...20 mA output: There must be an active connection

ORDERING

LULT								
Output	S							
	V							
Relay Output	N							
	1R							
	2R							
Display	C							
	R							
Measuring Range	04							
	06							
	10							
	15							
	70							
Power Supply	01							
	02							
Sensor Material	PP							
	PT							
	PV							
Body Material	01							
	02							
Enclosure	01							
	02							
	03							
Communication	N							
	M							
	H							
Hazardous Area	N							
	Xd							
	Xi							

Ultrasonic Level Transmitter

4-20 mA

0-10 VDC

None

1xPNP NO/NC

2xPNP NO/NC

Compact type

Remote type (please specify cable length)

0...4m

0...6m

0...10m

0...15m

0...70m

20-36 VDC

220 VAC

PP

PTFE

PVDF

ABS

Aluminum

IP66

IP67

IP68 (Remote type)

None

RS-485 Modbus RTU

HART

N None

Xd Ex d IIC T4

Xi Ex ia IIC T4