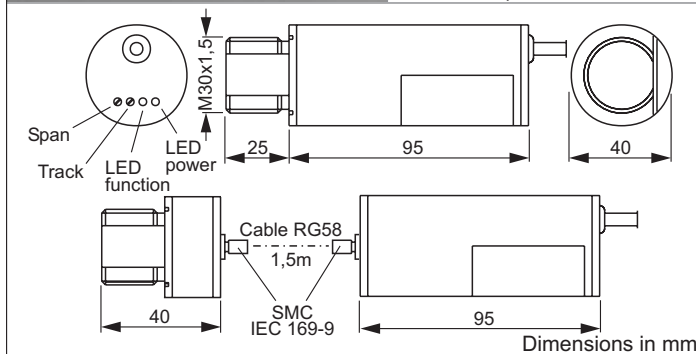


<h2>Ultrasonic Level Gauge</h2> <p>Measuring through the wall without contact to media Running time is measured through the liquid Automatic self-checking</p>	Product group 786	
	Type X001	
	Sheet: 1/1	Revision: 4
	Date: 10/06	



Splitted Version



Field of Application

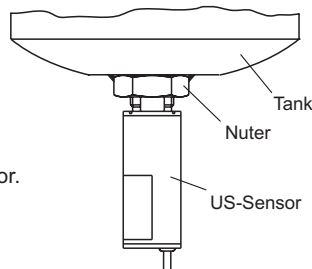
The Ultrasonic level gauge is for continuous measuring of liquid levels in tanks made of metal, glass and plastics (not formed). Wall thickness can be in the range 1.0 to 30 mm without functional ability of the device being impeded. So the measurement is independent of pressure, temperature, condensate, etc., For all thinfluid and particlefree liquids of Newton type in all containments without crustings or particle sedimentation. It is ideal for dangerous or aggressive media. Applications with vacuum are also possible because only the liquid is passed by ultrasonic wave.

General Data

Measuring range:	50 ... 10.000 mm (depends on liquid and wall thickness)
Reproducibility:	<2 mm
Resolution:	0.5 mm
Linearity:	<0.5%
Temperature coefficient:	30 ppm/°C
Wall thickness:	1... 30 mm
Coefficient of variation:	0.1%/s
Autom. function test:	every 0.7 s
Mounting position:	orthogonal to medium surface angular displacement 1°

Mounting

Nut welded at tank or fitted with special glue, coupling medium between tank and US-Sensor.



Mechan. connection: M30x1.5

Indications

Power: green LED

Function: yellow LED

Dimensions of sensor housing: Ø40x120 mm

Weight: 0,250 kg + weight of cable

Design Data

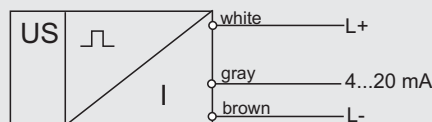
Temperature ambient: -10 ... +85 °C
max 30 minutes -20 ... +115 °C

Temperature storage: -15 ... +85 °C

Material sensor housing: SS

Material sensor coupling surface: Epoxy

Connection Diagram



Electrical Data

Power supply: 24 VDC ±10%

Supply current max.: 58 mA

Power consumption max.: 1.5 W

Output: 4...20 mA

Connection: 5 m PVC-cable 5*0.25 mm²

Ingress protection acc.to EN 60529: IP 65

Subject to alterations!

Ordering no.

7 8 6 . X 0 0 1

1	Compact	Version
2	Splitted	

PHÖNIX

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