



Ultrasonic Level Indicator PCE-ULM 10



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Ultrasonic level indicator with 4 ... 20-mA output signal / Two-wire connection technology /
With ambient temperature display / With level and distance display / Measuring depth 10
m (32.8 ft)

The ultrasonic level indicator is the ideal measuring device to determine the fill level of a silo. Thanks to the 4... 20-mA output signal, the ultrasonic level indicator can also be connected to the operational process control. This allows the measurement signal from the ultrasonic level indicator to be processed further. The ultrasonic level indicator can be used to check whether a silo is still sufficiently filled. The high IP protection class of the ultrasonic level indicator guarantees protection of the electrical components in the event of water leakage.

With a measuring range of 10 meters / 32.8 ft, larger silos can also be monitored with the ultrasonic level indicator. Depending on the application, the ultrasonic level indicator can indicate the level or the distance between the medium and the sensor as a measured value. The ambient temperature can also be measured with the ultrasonic level indicator. Thanks to the extensive functions and safety aspects, the ultrasonic level indicator is an ideal measuring device for monitoring silo systems.

- **With display for setting and reading**
- **Stable M60 connection thread**
- **Protection class of the display IP66**
- **Connectable to process technology**
- **For a measuring depth of up to 10 meters / 32.8 ft**
- **With ambient temperature display**

Specifications:

Measuring range	0 ... 10 m / 0 ... 32.8 ft*
Accuracy	0.5%
Resolution	0.001 m
Minimum distance to the wall	1 m / 3.3 ft
Resolution of the temperature display	0.1°C / 0.18
Output	4 ... 20-mA
Output signal resolution	0.01-mA
Connection	2-wire, PE
Power supply	24V DC
Protection class	IP 66
connecting thread	M60
Connection thread cable glands	M18 x 1.5
Environmental conditions	-20 ... 60°C / -4 ... 140°F
Dimensions	110 x 140 x 215 mm / 4.3 x 5.5 x 8.5 in
Weight	Approx. 825 g / 1.8 lbs

*The measuring range only applies under the following conditions:

- The measuring medium is a liquid
- There are no turbulences

- There are no dusts or vapors between the medium and the sensor
- The temperature difference between the sensor and the medium is $< 20^{\circ}\text{C} / 68^{\circ}\text{F}$

Delivery Scope

- 1 x Ultrasonic level indicator PCE-ULM 10
- 1 x Instruction manual