

Mechanical level indicator with remote display Unimes E



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- Direct indication at the tank without power supply and electronic remote indication up to 10 m
- Electronic remote display with battery supply
- Push-to-read function for extremely long battery service life
- Convenient monitoring of tank contents with easy-to-read display



Application

For continuous level measurement in tanks containing fuel oil EL, diesel fuel and other low-viscosity media which do not attack the materials of the indicator. For tank heights from 900 to 2,000 mm. The additional remote display enables convenient level indication even if the tank is not easily accessible. Suitable for remote measurements up to 10 m.

Description

Universal mechanical level indicator with additional electronic remote indicator. The mechanical level indicator features a fully adjustable brass and nickel silver gear. The pointer deflection amounts to 270° at tank heights and diameters from at least 900 mm to 2,000 mm maximum. The contents is indicated in % liquid level. An electronic sensor at the gear supplies the remote indicator with a signal that is proportional to the level.

The remote indicator is connected to the mechanical level indicator by means of a 3-wire shielded cable and connector. The remote indicator is operated by means of a long-lasting battery; it is only switched on to read the level (push-to-read function). A wide variety of tank shapes are stored in a microprocessor; the level is indicated either in liquid level or volume, as desired. This combination of devices allows you to take readings directly next to the tank and from an easily accessible, different location.

Technical specifications

Functions

Indication in % liquid level, remote indication (push-to-read), selection of units, calculation of total volume

Measuring range

0/900 to 0/2,000 mm

Measuring accuracy

±3 % of full scale value

Operating temperature range

Medium: 0/60 °C

Ambient: 0/45 °C

Storage: -5/+80 °C

Displayed values

Direct indication: 0–100 % liquid level

Remote indication: Litres, m³, %, liquid level in mm (4-digit 12 mm LCD)

Supply voltage

Direct indication: Mechanical measuring system without power supply

Remote indication: 1 x lithium battery 3.6 V
Service life approx. 5 years

Connection thread

G1½ and G2

Housing/float

Direct indication: ABS, impact-resistant
Depth Ø 80, height 100 mm

Float: PE-HD, Ø 42,
height 100 mm

Remote indication: PA6 glass-loaded,
height Ø 75,
depth 48 mm

Degree of protection

Direct indication: IP 30 (EN 60529)

Remote indication: IP 51 (EN 60529)

Weight

0.5 kg

Scope of delivery

- Mechanical level indicator
- Electronic remote display (with battery and wall bracket)
- Connection cable 10 m

DG: H	Part no.	Price €
Unimes E	52130	