

Digital tank contents indicator DIT 01 for fuel oil and diesel fuel

01

Display unit



Submersible probe



Application

For continuous level measurement in tanks containing fuel oil EL, L or diesel. Specially suitable for underground tanks and basement tanks. For liquid levels from 900 to 3,000 mm.

Description

The hydrostatic level measurement instrument consists of an evaluation unit with digital display (display unit) and a submersible probe with integrated pressure measuring cell.

DIT 01 features the following:

- Universal application in tanks with up to 3 m in height or diameter.
- No dip charts required since all standard tank shapes are stored.
- Fast and safe mounting with complete installation accessories.
- No external supply voltage required.
- Push-to-read function for extremely long battery service life.
- High accuracy of measurement due to electronic sensor (pressure measuring cell).
- Display unit with easy-to-read display.
- Simple operation via menu-guided set-up procedure.
- Connection cable of the display unit can be extended by up to 10 m.

Technical specifications

Functions

Push-to-read, switching of displayed units, calculation of total volume

Measuring range

0/300 mbar

Accuracy of measurement

±1.5 % FSD

Operating temperature range

Medium: 0 °C/+60 °C

Ambient: 0 °C/+45 °C

Storage: -5 °C/+80 °C

Display

4-digit, 12 mm high

LCD 7-segment display with additional symbols

Displayed units

Litres, m³, %, height in mm

Submersible probe

Housing: stainless steel 1.4305

Cable: PVC, 5 m with breather tube

Diaphragm: stainless steel 1.4435

Seals: FKM

Spacer: POM, PE

Supply voltage

1 x lithium battery 3.6 V (included)

Service life approx. 5 years

Housing

PA6, glass loaded, blue, Ø 75 mm, with wall mounting bracket, protection IP 51 (EN 60529)

Scope of delivery

DIT 01

- Evaluation unit with digital display
- 5 m connection cable to probe (can be extended by max. 10 m)
- Junction box, protection IP 55 (min.)
- Submersible probe with 5 m submersible cable
- Screw connector set G1 x G1¹/₂ x G2
- Mounting kit for withdrawal flange (PG 9 gland)
- Wall mounting bracket

DIT 01-E

- Evaluation unit with digital display
- 5 m connection cable to probe
- Junction box, protection IP 55 (min)
- Submersible probe with 5 m submersible cable
- Combination fitting Euroflex 3 (suction and return pipe with integrated submersible probe, connection thread G1)
- Wall mounting bracket

DG: H	Part no.	Price €
DIT 01	52122	
DIT 01-E	52123	
Spare probe	52131	
Spare battery	68309	