

Digital tank contents indicator DIT 10



Benefits

- For fuel oil EL, L, diesel fuel, biodiesel and water
- Universal application in tanks of up to 4 m in height or diameter
- No external supply voltage required
- Push-to-read function for extremely long battery service life
- Materials resistant to biofuel and biodiesel with max. 100 % FAME
- Watertight up to 10 m water column - ideal for use in flood hazard areas



Application

For level measurement in tanks containing fuel oil EL, L (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with up to 100 % FAME (EN 14214). This product is therefore ideal for all ecologically upgraded fuel oil consuming systems that use the new paraffinic fuels HVO or GTL as an admixture or 100 %. Specially suitable for underground tanks and basement tanks, also for use in flood hazard areas and flood risk areas.

For filling levels from 900 mm to 4,000 mm.

Versions

	Part no.
Tank contents indicators DIT 10	52150

Blue part no. = in-stock items

Description

The hydrostatic level indicator consists of a control unit with digital display and a submersible probe with integrated pressure measuring cell. High measuring accuracy due to electronic sensor (pressure measuring cell). Two additional relay contacts are available for external alarm devices, for level control or for connection to telecommunication or building control systems. No bearing charts required since all standard tank shapes are stored. Watertight up to 10 m water column.



Technical specifications

Functions

Push-To-Read,
Units switching,
Calculation of total volume

Measuring range

0/400 mbar

Measuring accuracy

± 1.5 % FSO

Operating temperature range

Medium: -5/+70 °C
Ambient: 0/45 °C
Storage: -5/+70 °C

Display

4-digit, 12 mm high LCD 7-segment display with additional symbols

Indication of measured values

Litres, m³, %, liquid level in mm

Submersible probe

L x ø: 64.5 x 24 mm
Housing: Stainless steel 304
Cable: PVC
Cable: 6 m with atmospheric reference hose
Diaphragm: Stainless steel 316 L
Seals: FKM (Viton)
Spacer: POM, PE
Degree of protection: IP 68 (EN 60529)

Supply voltage

1 x 3.6 V lithium battery

Service life: Approx. 5 Jahre

Housing

PA6, glass-fibre reinforced, blue, with wall mounting

ø x H: 75 x 50 mm

Weight: 380 g

Degree of protection: IP 51 (EN 60529)

Scope of delivery

- Control unit with digital display
- 3.6 V lithium battery
- 5 m connection cable to probe (can be extended by up to 10 m)
- Moisture-proof junction box (IP 54)
- Submersible probe with 6 m submersible cable
- Screw connector kit G1 x G1½ x G2
- Mounting kit for withdrawal flange (PG 9 gland)
- Wall mounting