

Hydrostatic level indicator TankControl 10



Benefits

- For fuel oil EL, L, diesel fuel, biodiesel and water
- Universal application in tanks of up to a height of 3 m
- Graphical indication of consumption and remaining range
- With visual/audible alarms, Acknowledge button and 2 relays
- No bearing charts required since all standard tank shapes are stored
- Easy operation due to device setup via menus
- High measuring accuracy due to electronic sensor (pressure measuring cell)
- Remote measurements up to 15 m
- 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

Continuous level measurement with graphical display for indication of consumption (history), calculation of remaining range (forecast) and signalling of minimum or maximum levels as well as for level control. For tanks from 1,000 to 4,000 mm liquid level. Suitable for fuel oil EL, L, diesel fuel, FAME 100 % as biodiesel (EN 14214), water (no drinking water!) as well as similar liquids. In conjunction with an additional submersible probe for differential alarm also suitable for detecting level differences in communicating tanks (e.g. battery tanks) which may cause overfilling. It is also possible to connect a floating probe for backflow alarms (drain system, e.g. for rain water harvesting systems) or for additional minimum or maximum alarms. Specially designed for building technology. Suitable for use in flood hazard areas.

Versions

	Part no.
Level indicator TankControl 10	52151

Blue part no. = in-stock items

Description

The hydrostatic level indicator consists of a control unit with numerical and graphical display and a submersible probe with integrated pressure measuring cell. Optionally with additional submersible probe for differential alarm or with floating probe. The system displays either litres, m³, % or liquid level (mm). When the level falls below or exceeds an adjustable minimum or maximum value, the control unit triggers visual and audible (can be acknowledged) alarms. The value for submersible probe 2 is displayed in mm. If an adjustable level difference between submersible probe 1 and submersible probe 2 is exceeded, an alarm is triggered. Two additional relay contacts are available for external alarm devices, for level control or for connection to telecommunication or building control systems. Easy operation due to device setup via menus. High measuring accuracy due to electronic sensing. Standard tank shapes are stored. Watertight up to 10 m water column.



Technical specifications

Functions

Units switching,
 Daily storage of level data,
 Consumption monitoring,
 Graphical evaluation of consumption values (up to 5 years),
 Calculation of remaining range,
 Alarm functions (min./max.),
 Sensor error and short circuit alarm

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

High-resolution, backlit graphical display (30 x 50 mm). indication of either litres (6 digits), m³, % or liquid level in mm. Symbols for alarm functions.

Probe

53 x 24 mm

Housing: Stainless steel 304
 Cable: PVC, 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

AC 230 V

Nominal power

5 VA

Switching output

Relay contact: 2 voltage-free changeover contacts
 Contact rating: Max. AC 250 V, 2 A

Visual indication

LED red: Alarm

Audible alarm

Integrated piezo-buzzer, can be acknowledged
 Min. 70 dB(A)

Housing

Wall mounting housing made of impact-resistant plastic (ABS)
 W x H x D: 100 x 188 x 65 mm
 Degree of protection: IP 54 (EN 60529)

Scope of delivery

- Control unit with graphical display and 15 m connection cable to the probe (cannot be extended)
- Submersible probe with 6 m submersible cable
- Moisture-proof junction box (IP 54)
- Screw connector kit G1 x G1½ x G2
- Mounting kit for withdrawal flange at plastic battery tanks

Option

- Submersible probe for differential alarm
- Floating probe (spare probe Minimelder)