

# Hydrostatic indicator TankControl 10



1



- For fuel oil EL, L, diesel fuel, biodiesel and water
- Graphical indication of consumption and remaining range
- With visual/audible alarms, Acknowledge button and 2 relays
- Remote measurements up to 15 m



**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.

**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, m<sup>3</sup>, % 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. High measuring accuracy due to electronic sensing. Standard tank shapes are stored. Watertight up to 10 m water column.

## Technical specifications

### Functions

Selection of units, daily saving 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 alarms.

### Measuring range

0/400 mbar

### Measuring accuracy

±1.5 % FS

### 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), m<sup>3</sup>, % or liquid level in mm. Symbols for alarm functions.

### Submersible probe

Housing: Stainless steel 304 (1.4301)  
Cable: PVC, 6 m with breather tube  
Diaphragm: Stainless steel 316 L (1.4435)  
Seals: FKM (Viton)  
Spacer: POM, PE  
Degree of protection: IP 68 (EN 60529)

### Supply voltage

AC 230 V  
Lithium battery for data backup (calendar function)

### Switching outputs

Relay contacts: 2 voltage-free changeover contacts  
Contact rating: AC 230 V, 2 A

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## Technical specifications

### Visual alarm

Red LED

### Audible alarm

Integrated piezo buzzer, can be acknowledged

### 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

## Options

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

## Application examples TankControl 10



Monitoring of the levels in two communicating tanks. A submersible probe is installed in each tank. If the level difference exceeds a defined value, the unit triggers an alarm. The causes of the uneven levels can be removed prior to filling. Potential damage as a result of different levels in the two tanks is avoided.



Monitoring of the level in a fuel oil tank with early signalling of minimum level. With combined alarm light and horn as additional alarm equipment outside of the building and transmission of alarm messages, level data and remaining range to a central building control system.



Monitoring of the level in an outdoor rain water tank. A combined alarm light and horn is connected in the vicinity of the tank; TankControl 10 is installed inside the building. It is also possible to connect a float switch to monitor for backflow from the drain. The system can be extended by a GSM-based event reporting system.

DG: H, PG: 4	Part no.	Price €
<b>TankControl 10</b>	<b>52151</b>	
<b>Spare submersible probe (0/400 mbar)</b>	<b>52153</b>	
<b>Additional probe differential alarm</b>	<b>52152</b>	
<b>Floating probe (spare probe Minimelder)</b>	<b>16703</b>	