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
- Green fuels ready: suitable for use at tank facilities filed with the new paraffinic fuels HVO or GTL
- 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. Suitable for fuel oil EL, L (DIN 51603-1), diesel fuel (EN 590), water (no drinking water!), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as wells 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 %.
For tanks from 1,000 to 4,000 mm liquid level.
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. Suitable for use in flood hazard areas and flood risk 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, m^3, % 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 with selectable switching points are available for external alarm devices, for level control or for connection to telecommunication or building control systems. Easy operation due to device set-up 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), m^3, % or liquid level in mm. Symbols for alarm functions.

Submersible probe

L x ⌀:	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
Lithium battery for data backup (calendar function)

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 (PC/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)