

Universal hydrostatic level indicator TankControl 02 and 02 ZS



Application

Continuous reading level indicator with graphic display of consumption rate (history), signalling of minimum and maximum liquid levels as well as level control function. For tanks from 1,000 to max 4,000 mm liquid height. Remote indication up to 15 m. Suitable for use with heating oil EL, L, diesel, water (not drinking water) and similar liquids. Also suitable for back-flow level signalling when used in conjunction with a float switch.

Description

The hydrostatic level indication instrument consists of a display instrument with numeric and graphic display and a submersible probe with integrated pressure transducer. Choice of indication in Liters, cbm, % or liquid level height in mm. When a fully adjustable minimum or maximum level is reached, audible and visual alarms are initiated by the display unit and the audible alarm can be muted. Two additional relay contacts are provided for the operation of further alarms, on/off level control purposes or for connection to telecommunication or building management systems. The integrated microprocessor memorizes the measured data and enables the user to call up important information such as consumption rate. Simple operation with menu-guided instrument settings. Electronic measurement ensures high indication accuracy. Standard tank sizes are memorized and can be accessed. Tank tables/dip

charts for special tanks can be pre-programmed (optional). An additional float switch may be connected to provide an additional alarm (e.g. back-flow high level).

Technical Specifications

Functional features

Selection facility for different measurement units, daily memorization of liquid levels, consumption control, graphic display of consumption values (up to 5 years), forward fuel coverage (where required), alarm functions (Min./Max.), sensor fault or short circuit indication.

Measuring range

0/300 mbar

Accuracy

±1.5 % FSD

Operating temperature range

Medium: 0 °C/+60 °C
Ambient: 0 °C/+45 °C
Storage: -5 °C/+80 °C

Display

Graphic display (30 x 50 mm), back lit with high resolution. Choice of display units in Litres (6-digit), cbm, % and liquid level height in mm. Visual symbols for alarm information.

Submersible probe

Housing: stainless steel 1.4305
Cable: FEP, 6 m with breather tube
Diaphragm: stainless steel 1.4435
Seals: FKM
Spacer: POM, PE

Supply voltage: AC 230 V
Lithium battery for data memory (calendar function)

Relay output

Relay contacts: 2 x voltage-free changeover
Contact rating: 2 A

Visual Alarm

Red LED

Audible alarm

Integrated piezo buzzer and mute facility

Housing

Wall mounting housing impact resistant plastic (ABS)
W x H x D: 100 x 188 x 65 mm

Protection

IP 54 (EN 60529)

Scope of delivery

- Display unit with graphic display and 15 m probe connecting cable (cannot be extended)
- Submersible probe with 6 m probe cable
- Weatherproof junction box
- Tank adaptor G1 x G1½ x G2
- Mounting kit for withdrawal flange on plastic battery type tanks

TankControl 02 ZS:

- With additional float switch, cable length 5 m

DG: H	Part no.	Price €
TankControl 02	52134	
TankControl 02 ZS	52136	
Spare probe	52137	
Additional cost		
Special dip chart programming		