



digital display and control unit Vario-Fox® 24

Part no. 31248

digital display and control unit

benefits

- can be used as compact, ready-to-connect filling or emptying controller
- visual and audible alarms
- 4 switching outputs
- data logger function via SD memory card or RS485 interface

Application

Universal application for indication of measured values and for control systems. Can also be used as a data logger in conjunction with an SD card.

Description

Compact, ready-to-connect display and control unit in a robust wall-mounting housing. With integrated sensor supply and 4 relay outputs. Together with a transducer (e.g. for pressure, temperature, level, etc.), VarioFox® forms an autonomous measuring and control system. VarioFox® is universally applicable and freely configurable.

Technical Specifications

Display

multi-coloured, backlit graphical display (50 x 30 mm),
blue = Operation,
red = Alarm,
green = setup,
Display (5 digits),
user interface language selectable: English, German, French, Italian,
start and end values as well as comma are scalable as required

Linearity

± 0.1 % v. Mw.

Resolution

10 Bit, Decimal point position can be set as required

Operating temperature range

Ambient: 0/50 °C
Storage: -20/+65 °C

Supply voltage

AC 50 – 253 V, 4.2 VA
DC 20 – 253 V, 2.7 W

Sensor supply

integrated, galvanically isolated supply voltage for transducer: DC 17 V/20 mA

Analogue input

all analogue standard signals, e.g. 4–20 mA, 0–20 mA, 0–10 V

audible alarm

integrated piezo-buzzer, can be acknowledged

Analogue output 1

0/4–20 mA, galvanically isolated

Analogue output 2

0–10 V, galvanically isolated

digital interface

Interfaces: RS 485
with Baud rate adjustment

switching outputs

relay contacts: 4 voltage-free changeover contacts
 relay contacts: switching hysteresis adjustable
 Contact rating: AC 250 V, 2 A, 250 VA
 DC 250 V, 1 A, 100 W

Housing

robust wall mounting housing made of impact-resistant plastic (PC)
 W x H x D: 175 x 125 x 75 mm
 Degree of protection: IP 65 (EN 60529)
 Colour: grey (RAL 7035)
 Electrical connection: 5 x cable gland M16 x 1.5

Linearisation

Customer-specific linearisation with a max. of 24 points for the indication of volume (e.g. litres) in non-linear tanks. Bearing charts for cylindrical horizontal tanks and spherical tanks are pre-programmed.

Min./max. value memory

The highest and lowest values reached during operation can be displayed.

Data memory

Long-term monitoring data is stored on a memory card (SD/MMC). Memory card not included.

Versions

Part no.

digital display and control unit
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-  in-stock items
-  Non-stock items