



# Digital display and control unit VarioFox® 24



### 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.

### Versions

Part no.	
Digital display and control unit VarioFox® 24	31248

Blue part no. = in-stock items

### 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

$\pm 0.1\%$  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  
 Contact rating: 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.



## Detail views

