

## 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

For recording process parameters. Together with the event reporting system EMS and the AFRISO Net web service, this unit serves as an economical measuring and control station with data logging and remote monitoring functionality.

### 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-colour, 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  
 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.