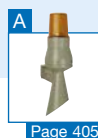


# Digital display units DA 10/12/14



- Grey display with excellent readability
- Text-based user interface
- Linearisation for volume indication (24 points)
- Scalable units, displayed as bar chart
- Integrated supply voltage for transducer



**Application** Universal application for displaying measured values (DA 10), optionally with additional relay outputs (DA 12/14) for electronic transducers.

**Description** Digital display unit in plastic housing for control panel mounting. With grey display and automatic off function for the backlight. The universal measurement input can be configured as a current input or a voltage input. Standard bearing charts for cylindrical horizontal tanks and spherical tanks are pre-programmed, additional units can be selected or set up. The units are scalable and shown as bar charts. Limit values can be displayed via a window and a trend function (rising/falling). With display message (flashing error text) if values are exceeded, parameter backup for restoring previous configurations and potentiometer for test purposes.

## Technical specifications

### Display

5-digit graphical LC display, backlit (white), text-based user interface, user interface language selectable (German/English/French/Italian), selectable units, custom units can be defined

### Measuring range

± 99,999 digits  
(start and end values scalable as required)

### Linearity

± 0.1 % of measuring range

### Resolution

Decimal point position can be set as required

### Response time

< 0.2 s

### Operating temperature range

Ambient: 0/50 °C

### Supply voltage

AC 50–253 V / DC 20–253 V  
2.5 W / AC 4.4 W

### Sensor supply

Integrated, galvanically isolated supply voltage for transducer: DC 21 V/20 mA

### Sensor input

All analogue standard signals, e.g. 4–20 mA, 0–20 mA, 0–1 V, 0–10 V as well as potentiometer

### Analogue output

0/4–20 mA, galvanically isolated

### Housing

Standard rack mounting housing  
W x H x D: 96 x 48 x 135 mm

### Panel cut out

W x H: 92 x 45 mm

### Degree of protection (front)

IP 65 (EN 60529)

### Electrical connection

Plug-in screw terminals (1.5 mm<sup>2</sup>)

### 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.

### Additional functions DA 12 / 14

#### Analogue output 2

0–10 V, galvanically isolated

#### Switching outputs

Relay contacts: 2 x (DA 12) / 4 x (DA 14)  
voltage-free changeover contacts  
(adjustable switching hysteresis)  
Contact rating: AC 250 V, 2A, 100 VA

DG: H, PG: 4	Part no.	Price €
<b>DA 10</b>	<b>31281</b>	
<b>DA 12</b>	<b>31282</b>	
<b>DA 14</b>	<b>31283</b>	
Accessories (PG: 3)		
<b>Wall mounting housing WAG 01</b> for one DA*	31287	
<b>WAG 02</b> for two DA*	31288	
<b>WAG 03</b> for three DA*	31289	
<b>WAG 04</b> for four DA*	31290	

\* Price includes mounting if DA and WAG are ordered together.

Blue part no. = in-stock items