

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



Page 84



- 1 Digital display unit DA 12
- 2 Signalling device
- 3 Pressure transducers DMU 07

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
DC 2.5 W / AC 4.4 VA

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 mm²)

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 €
DA 10	31281	
DA 12	31282	
DA 14	31283	
DG: H, PG: 3		
Wall mounting housing WAG 01 for one DA	31287	
WAG 02 for two DA	31288	
WAG 03 for three DA	31289	
WAG 04 for four DA	31290	

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See the catalogue INDUSTRIAL TECHNOLOGY for the complete range of "Digital Display Units".