

Digital display units DA 10/12/14

01



- 5-digit graphical LCD display
- Text-based user interface
- Linearisation for volume indication (24 points)
- Selectable units
- Universal power supply unit
- Integrated supply voltage for transducer
- Relay outputs (DA 12/14)



Description

Digital display unit (DA 10) also available with additional relay output (DA 12/14) for electronic transducers.

Technical specifications

Display

5-digit graphical LCD display, backlit (white), text based user interface, choice of interface language (German/English/French), selectable units of measurement.

Measuring range

±99,999 digits (min. and max. values scalable)

Linearity

±0.1 % of measuring range

Resolution

Decimal point position as required

Response time

< 0.2 s

Operating temperature range

Ambient: -10 °C/+55 °C

Supply voltage

AC/DC 20–253 V

Sensor supply

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

Sensor input

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

Analogue output

4–20 mA, galvanically isolated

Housing

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

Panel cut-out

W x H: 92 x 45 mm

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. Dip charts for cylindrical, vertical and spherical tanks are stored.

Min./max. value memory

Stores and indicates the highest and lowest values attained during operation.

Additional functions DA 12

Analogue output 2

0–10 V, galvanically isolated

Relay outputs

Relay contacts: 2 voltage-free changeover contacts (adjustable hysteresis) Contact rating:
AC 250 V, 2 A, 100 VA

Additional functions DA 14

Analogue output 2

0–10 V, galvanically isolated

Relay outputs

Relay contacts: 4 voltage-free changeover contacts (adjustable hysteresis) Contact rating:
AC 250 V, 2A, 100 VA

DG: H	Part no.	Price €
DA 10	31281	
DA 12	31282	
DA 14	31283	
Wall-mounted housing WAG 01 for mounting of one DA*	31287	
WAG 02 for mounting of two DA*	31288	
WAG 03 for mounting of three DA*	31289	
WAG 04 for mounting of four DA*	31290	

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

Refer to pages 519 to 521 for the complete „Digital Display Units“ range.