

Digital display units DA 10/12/14



- 5-digit graphic LCD display
- Text-based user interface
- Linearisation for volume indication (24 points)
- Selectable units
- Universal power supply
- 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 graphic LCD display, backlit (white), text-based user interface, user interface language selectable (German/English/French), selectable units of measurement.

Measuring range

± 99.999 digits (min. and max. fully adjustable)

Linearity

± 0.1 % of measuring range

Resolution

Decimal point setting 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

0/4–20 mA, galvanically isolated

Housing

Standard rack housing
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

Screw terminals, plug-in (1.5 mm²)

Linearisation

Customer-specific linearisation with a max. of 24 points for volume indication (e.g. litres) in non-linear tanks. Dip charts for cylindrical, vertical tanks and spherical tanks are pre-programmed.

Min./max. value memory

Allows to display the minimum and maximum values recorded 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 function DA 14

Analogue output 2

0–10 V, galvanically isolated

Relay outputs

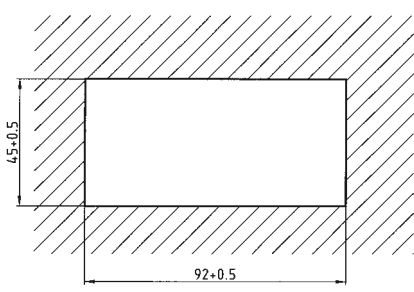
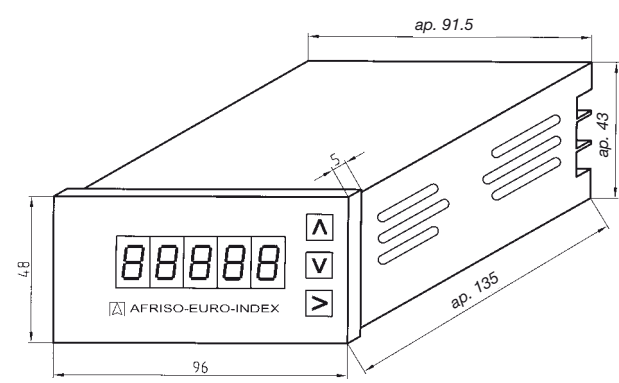
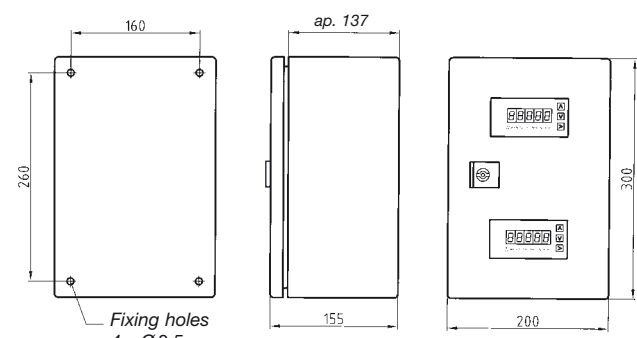
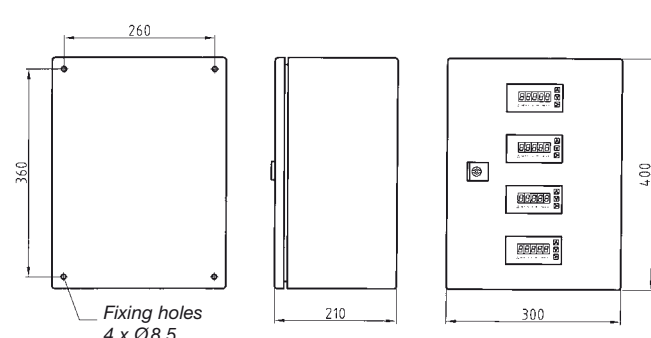
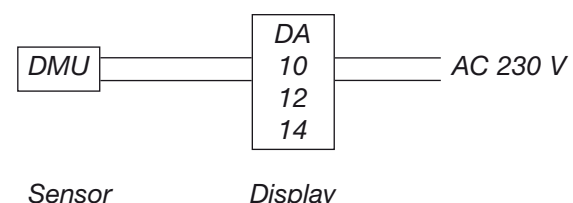
Relay contacts: 4 voltage-free changeover contacts (adjustable hysteresis)
Contact rating: AC 250 V, 2 A, 100 VA

DG: H	Part no.	Price €
DA 10	31281	
DA 12	31282	
DA 14	31283	
Wall mounting 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.

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Dimensions (in mm) and connection diagrams

<p>Panel cut out</p> 	<p>DA 10/12/14</p> 
<p>Wall mounting housing WAG 01/02 for up to 2 DA 10/12/14</p> 	<p>Wall mounting housing WAG 03/04 for up to 4 DA 10/12/14</p> 
<p>Connection diagram for standard application</p> 	<p>Connection diagram for Ex application</p> 