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 V
- 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, 0–10 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, 2 A, 100 VA

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DG: H, PG: 4  |  Part no.  |  Price €
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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  |

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