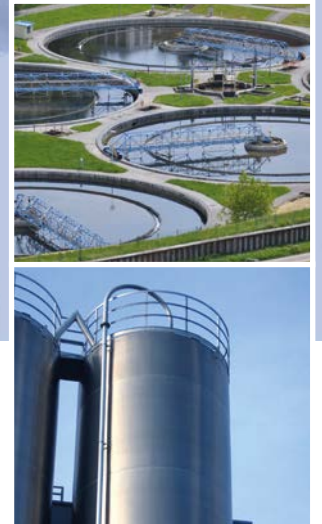


The solution for continuous level measurement

HydroFox® DMU 08 / DMU 08 T and display unit DA 10/12/14.



Your system benefits

- + Easy mounting and commissioning
- + Balancing possible outside of tank
- + High measuring accuracy at excellent price/performance ratio
- + Compact and robust stainless steel level probe
- + With integrated temperature measurement (DMU 08 T)
- + Version with PUR or FEP cable
- + Version for hazardous areas (EX) (option)
- + SIL 2 (Option)

Digital digital display unit DA:

- + 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

For electronic, continuous level measurement, e.g. in wells, drilling holes, water, containers or in waste water systems. Suitable for ground-water, waste water (with optional FEP cable), diesel fuel, fuel oil and similar liquids.

The level indicators HydroFox® DMU 08 use silicon technology and feature calibrated, amplified sensor signals which are available as standardised voltage or current outputs.

Level probe HydroFox® DMU 08

Measuring ranges	Relative pressure: 0/100 mbar to 0/25 bar
Operating temperature range	Medium: -10/+70 °C Ambient: -10/+70 °C Storage: -25/+70 °C EX version -20/+60 °C at P _{atm} 0.8 to 1.1 bar
Pressure transmission liquid	Silicone oil
Supply voltage	4–20 mA DC 12–36 V EX version DC 10–28 V 0–10 V DC 14–32 V
Output signal	4–20 mA, 2-wire
Electrical connection	PUR cable (IP 68)
Options	<ul style="list-style-type: none"> ■ EX version ■ Measuring accuracy 0.1 % FSO ■ FEP cable ■ SIL 2 (IEC 61508/61511)

Level probe HydroFox® DMU 08 T

Operating temperature ranges	0/30 °C, 0/50 °C, 0/70 °C
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Digital display unit DA 10/12/14

Measuring range	± 99,999 digits (start and end values scalable as required)
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 1	0/4–20 mA, galvanically isolated
Analogue output 2 (DA 12/14)	0–10 V, galvanically isolated
Switching outputs	Relay contacts: 2 x (DA 12) / 4 x (DA 14) voltage-free change-over contacts (adjustable switching hysteresis) Contact rating: AC 250 V, 2A, 100 VA

Version	Part no.
DMU 08, 0/100 mbar	31555
DMU 08, 0/160 mbar	31556
DMU 08, 0/200 mbar	31557
DMU 08, 0/250 mbar	31558
DMU 08, 0/300 mbar	31519
DMU 08, 0/400 mbar	31559
Digital display unit DA 10	31281
Digital display unit DA 12 (2 relay contacts)	31282
Digital display unit DA 14 (4 relay contacts)	31283
Screw connector kit, plastic, G2 x 1½ x 1	52125
Junction box with pressure relief port (IP 65)	31824

Your dealer

Ident-Nr. 991517_06814_07/23

The complete measuring point



Further display and evaluation units

MFU 12/14 for DIN rail mounting



VarioFox® 12/14 for wall mounting



Multi-channel process display MPA 10



Further sensors



DMU 11 D
For example, for differential pressure measurement.

DMU 02 Vario/DMU 04
For example, for applications requiring hygienic process connections, materials or processing, especially food technology, pharmaceutical and biotechnology applications.



DMU 07
For example, for level or pressure measurement of liquids and gases

DMU 09
For example, for extremely corrosive liquids such as chemicals or landfill waste water.



Technology for Environmental Protection
Measuring. Controlling. Monitoring.



AFRISO