

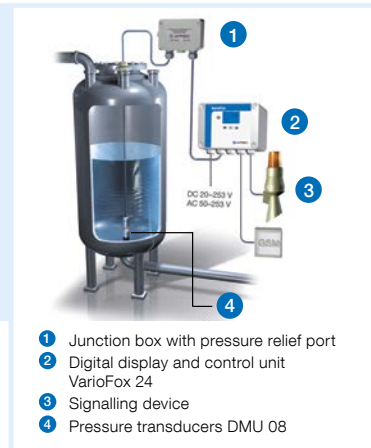
Hydrostatic level indicator HydroFox® DMU 08



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- Compact and sturdy stainless steel design
- Special calibration for all standard pressure units possible
- Version with PUR or FEP cable
- Optional ATEX version



- 1 Junction box with pressure relief port
- 2 Digital display and control unit VarioFox 24
- 3 Signalling device
- 4 Pressure transducers DMU 08

Application For electronic, continuous level measurement, e.g. in wells, drilling holes, water, containers or in waste water systems. Suitable for groundwater, drinking water, waste water (with optional FEP cable), diesel fuel, fuel oil; also for use in flood hazard areas.

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

Technical specifications

Measuring accuracy

Deviation from the characteristic curve according to IEC 60770 – limit point calibration (non-linearity, hysteresis, repeatability): $\lt; \pm 0.35\% \text{ FSO}$ (measuring ranges 0/100 mbar to 0/400 mbar $\lt; \pm 0.5\% \text{ FSO}$)

Measuring ranges

Relative pressure: 0/100 mbar to 0/300 bar

Overpressure safety

Depends on pressure range
4 x FS to 15 x FS (burst pressure)
3 x FS to 8 x FS (overload)

Operating temperature range

Medium: -10/+70 °C
Ambient: -10/+70 °C
Storage: -25/+70 °C

Temperature error band

In compensated range
0/70 °C $\leq \pm 1\% \text{ FSO}/10 \text{ K}$

Dynamic characteristics

Response time $\leq 10 \text{ ms}$

Materials

Housing: Stainless steel 316 L
Diaphragm: Stainless steel 316 L
Seals: FKM (Viton)

Pressure transmission liquid

Silicone oil

Supply voltage

DC 8–32 V
EX version DC 10–28 V

Output signal

4–20 mA, 2-wire

Load

4–20 mA: $R_{\text{max}} = [(U_{\text{B}} - U_{\text{Bmin}})/0.02 \text{ A}] \Omega$

Current input

4–20 mA $\lt; 25 \text{ mA}$

Electrical protection

Short circuit proof and protected against reverse polarity

Electrical connection (degree of protection)

PUR cable (IP 68)

With integrated breather tube for reference to the ambient atmospheric pressure

Accessories (options)

- Screw connector kit
- Junction box
- Anchor clamp
- Extended weight

Options

- EX version (Ex II 1G Ex ia IIC T4 Ga, Ex II 1D Ex ia IIIC T85 °C Da)
- Measuring accuracy 0.1 % FSO
- FEP cable
- SIL 2 (IEC 61508/61511)



DG: H	PG	Part no.	Price €
DMU 08 with 5 m PUR cable			
Measuring range			
0/100 mbar	4	31555	
0/160 mbar	4	31556	
0/200 mbar	4	31557	
0/250 mbar	4	31558	
0/300 mbar	4	31519	
Screw connector kit plastic, G2 x 1½ x 1	1	52125	
Junction box with pressure relief port	1	31824	

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Complete range of pressure transducers see catalogue INDUSTRIAL TECHNOLOGY.