Hydrostatic level indicator HydroFox® **DMU 08**



- Special calibration for all standard pressure units possible
- Version with PUR or FEP cable
- ATEX version (optional)









- Digital display and control unit VarioFox 24 Signalling device
- 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 Pressure transducers HydroFox® DMU 08 convert physical pressure into an electrical signal proportional to the pressure. HydroFox® DMU 08 uses a piezo-resistive silicon measuring cell.

Technical Measuring accuracy

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

Measuring ranges

Relative pressure: 0/100 mbar to 0/25 bar

Operating temperature range

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

Temperature error band

In compensated range 0/70 °C ≤ ±1 % FSO/10 K

Dynamic characteristics

Response time ≤ 10 ms

Materials

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

Pressure transmission liquid

Silicone oil

Supply voltage

DC 8-32 V

Output signal

4-20 mA, 2-wire

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

Current input

4-20 mA < 25 mA

Electrical protection

Short circuit proof and protected against reverse polarity

Electrical connection (degree of protection)

PUR cable, 5 m (IP 68)

With integrated breather tube for reference to the ambient atmospheric pressure

Accessories (options)

- Screw connector kit
- Junction box
- Anchor clamp

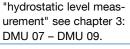
Options

- Screw connector kit
- Junction box
- Anchor clamp
- Extended weight
- ATEX version (see chapter 3)

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	
0/400 mbar	4	31559	
Screw connector kit plastic, G2 x 1½ x 1	1	52125	
Junction box with pressure relief port	1	31824	

Blue part no. = in-stock items





Complete range for