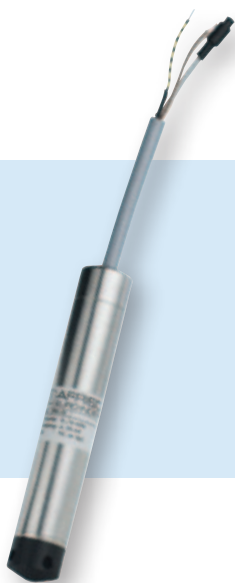
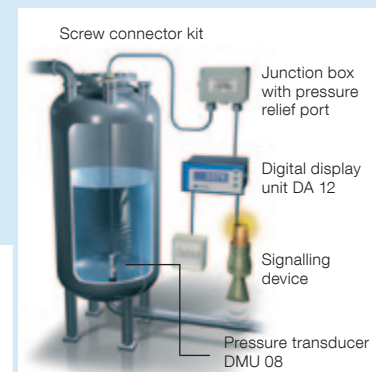


Hydrostatic level indicator

HydroFox® DMU 08



- SIL 2
- Compact and sturdy stainless steel design
- Special calibration for all standard pressure units possible
- Version with PUR or FEP cable



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 and similar media.

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 setting (non-linearity, hysteresis, repeatability): $\pm 0.35\% \text{ FSO}$ (measuring ranges 0/100 mbar to 0/400 mbar <math>< \pm 0.5\% \text{ FSO}</math>)

Measuring ranges

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

Overpressure safety

At least 2 x FS (burst pressure at least 5 x FS)

Operating temperature range

Medium: -10/+70 °C
 Ambient: -10/+70 °C
 Storage: -40/+70 °C
 EX version max. 60 °C

Temperature error band

In compensated range
 0/70 °C <math>< 1\% \text{ FSO}/10 \text{ K}</math>

Dynamic characteristics

Response time <math>< 10 \text{ ms}</math>

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

$$4-20 \text{ mA} \leq \frac{U_B - U_{Bmin}}{0.02 \text{ A}} \text{ [Ohm]}$$

Current input

4–20 mA <math>< 25 \text{ mA}</math>

Electrical protection

Short circuit proof and protected against reverse polarity

Electrical connection (degree of protection)

PUR cable (IP 68)

Safety integrity level

SIL 2 (IEC 61508/61511)

Accessories (options)

- Screw connector kit
- Junction box
- Lightning protection
- Clamp
- Extended weight

Options

- EX version (II 1/2 G Ex ia IIC T4)
- FEP cable

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



Complete range of Pressure transducers see chapter 11.