Pressure transducers DeltaFox DMU 10 D Version for differential pressure measurement



Benefits

- Compact design
- Robust aluminium housing
- High long-term stability
- High overpressure safety
- Long service life

Application

For electronic differential pressure measurement at very low differential pressure. For non-corrosive gaseous media. Particularly suitable for monitoring filters and fans in air and air conditioning applications.

Technical specifications

Measuring accuracy

Deviation from the
characteristic cur-
ve according to IEC $60770 - limit point ca-
libration (non-linearity,
hysteresis, repeatabi-
lity)< 0/40 mbar:</td><math>\leq \pm 2 \%$ FSO $\leq 0/160$ mbar: $\leq \pm 1 \%$ FSO> 0/160 mbar: $\leq \pm 0.35 \%$ FSO

Measuring range See ordering table

Overpressure safety

≤ 0/10 mbar:	100 mbar
≤ 0/25 mbar:	200 mbar
≤ 0/60 mbar:	350 mbar
≤ 0/400 mbar:	1,000 mbar
> 0/400 mbar:	3,000 mbar

Operating temperature range

 Medium:
 -25/+125 °C

 Ambient:
 -25/+85 °C

 Storage:
 -40/+100 °C

Temperature error band

≤ 0/10 mbar:	\leq ± 2 % FSO In compensated range 0/60 °C
≤ 0/25 mbar:	\leq ± 1.5 % FSO In compensated range 0/60
	°C
≤ 0/250 mbar:	≤ ± 1 % FSO In compensated range 0/60 °C
> 0/250 mbar:	\leq ± 0.5 % FSO In compensated range 0/60
	°C

Dynamic characteristics

Response time: < 5 ms

Process connection

2 x G1/8B female thread

Options

- Other process connections
- Other electrical connections
- Digital plug-in display DA 06

Material

Housing: Aluminium, eloxed, silver Pressure connection: Aluminium Seal: PUR glued Lun

Supply voltage DC 8 - 32 V

Output signal 2-wire, 4–20 mA

Load $R_{\text{Max}} = [(UB - UB_{\text{Min}})/0.02 \text{ A}] \ \Omega$

Current input < 25 mA

Electrical protection Short circuit proof and protected against reverse polarity

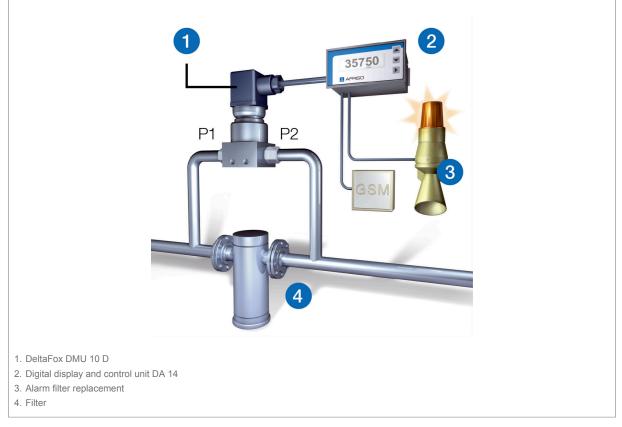
Electrical connection Connector and junction box as per ISO 4400 (DIN 43650-A)

Degree of protection IP 65 (EN 60529)

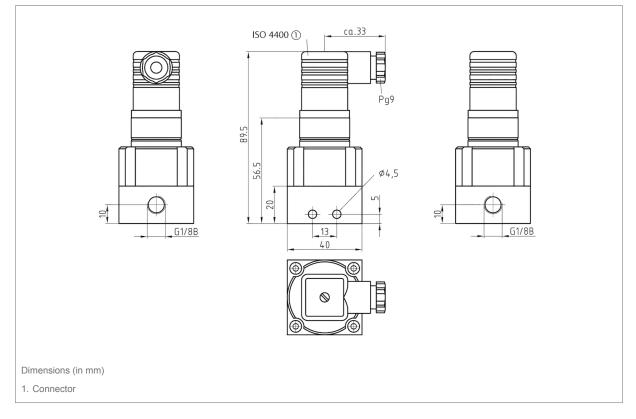
CE conformity EMC Directive 2014/30/EU RoHS Directive 2011/65/EU

AFRISO

Detail views



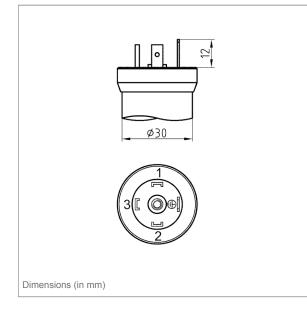
DMU 10 D - connection 2 x G¹/₈ female thread

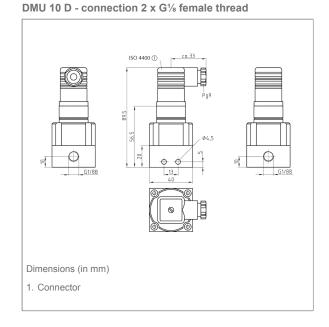




Technical drawings

electrical connection - ISO 4400 (IP 65)





Versions

	Туре	Connection	Measuring range	Part no.
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/6 mbar	31861
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/10 mbar	31862
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/25 mbar	31863
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/40 mbar	31864
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/60 mbar	31865
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/100 mbar	31866
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/160 mbar	31867
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/250 mbar	31868
	DeltaFox DMU 10 D	2 x G1/8B female thread	0/400 mbar	31869
	DeltaFox DMU 10 D	2 x G ¹ / ₈ B female thread	0/600 mbar	31870
	DeltaFox DMU 10 D	2 x G ¹ / ₈ B female thread	0/1 bar	31871
			Blue port p	e = in stock itomo

Blue part no. = in-stock items

