

Digital pressure gauge // D-Ex // L-Ex

-1...1000 bar




Your advantages

Type	D-Ex	L-Ex
	<ul style="list-style-type: none"> • For use in potentially explosive atmospheres • Suitable for aggressive media • Robust and compact design with edge protection • Certificate (optional) 	<ul style="list-style-type: none"> • Like D-Ex • Additional PC interface for direct data transfer • Higher accuracy • Certificate (optional)

Technical data

Type	D-Ex	L-Ex
Pressure ranges	Between -1...700 bar	Between -1...1000 bar
Accuracy (full scale)	0.1 %	0.05 %
Adjustment options		
Tare / Zero	✓	✓
Selectable units		
Pressure	bar, mbar, hPa, kPa, MPa, PSI, kp/cm ²	bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH ₂ O, mH ₂ O, inH ₂ O, ftH ₂ O, Kp/cm ²
Features		
Measuring inputs	1 x direct	1 x direct
PC connection		RS 485
Display		
Display	Multi-functional LCD, 4 digit	Multi-functional LCD, 5 digit
Min / Max value	✓	✓
Measuring rate		
Standard	500 ms	500 ms
Process connection		
Thread	G $\frac{1}{4}$ / H16 UNF	G $\frac{1}{4}$
Material	Stainless steel 1.0718 zinc-plated Stainless steel 1.4435	Stainless steel 1.4435
Medium temperature	0...50 °C	0...50 °C
For aggressive media	✓	✓

General data		
Type	D-Ex	L-Ex
Housing		
Degree of protection	IP65	IP65 (Front) / IP54
Dimension	Ø 70 mm, T=30 mm H=100 mm	Ø 80 mm, T=40 mm H=120 mm
Material	ABS plastic	ABS plastic
Operating temperature	0...50 °C	0...50 °C
Weight	130 g	210 g
Power supply		
Auto-off function	✓	✓
Battery type	1x 3 VCR	1x 3 VCR
Battery operation	1000 h	2000 h
Approvals		
	Ex II 1G EEx ia II C T5/T6	Ex II 2G Ex ia II C T6

Order code			
Type	Accuracy (full scale)		
D-Ex	0.1 %	EME8REF-D-EX	
L-Ex	0.05 %	EME8REF-L-EX	
Pressure range	Resolution		
D-Ex	-1...3 bar	1 mbar	003
	-1...30 bar	10 mbar	030
	-1...60 bar	10 mbar	060
	0...300 bar	100 mbar	300
	0...700 bar	200 mbar	700
L-Ex	-1...2 bar (relative)	0.1 mbar	002R
	-1...10 bar (relative)	1 mbar	010R
	-1...20 bar (relative)	1 mbar	020R
	0...3 bar (absolute)	0.1 mbar	003A
	0...11 bar (absolute)	1 mbar	011A
	0...21 bar (absolute)	1 mbar	021A
	0...200 bar (absolute)	10 mbar	200R
	0...400 bar (absolute)	50 mbar	400R
	0...700 bar (absolute)	100 mbar	700R
	0...1000 bar (absolute)	100 mbar	01KR
Example order number		EME8REF-D-EX	030

Accessories	Order number
SIKA-Works calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000D
DAKKS calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000W