

-1...1000 bar



Your advantages

Type	E-Ex	D-Ex	L-Ex
	• For use in potentially explosive atmospheres • Suitable for aggressive media • Robust and compact design with edge protection • Certificate (optional)		• Like E-Ex / D-Ex • Additional PC interface for direct data transfer • Higher accuracy • Certificate (optional)

Technical data

Type	E-Ex	D-Ex	L-Ex
Pressure ranges	Between -1...300 bar	Between -1...700 bar	Between -1...1000 bar
Accuracy (full scale)	0.5 %	0.1 %	0.05 %
Adjustment options			
Tare / Zero	✓		
Selectable units			
Pressure	bar	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		
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	E-Ex	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
Certificates (optional)			
DAkkS certificate			
Works certificate			

Order code			
Type	Accuracy (full scale)		
E-Ex	0.5 %		EME8REF-E-EX
D-Ex	0.1 %		EME8REF-D-EX
L-Ex	0.05 %		EME8REF-L-EX
Pressure range		Resolution	
E-Ex	-1...30 bar	10 mbar	030
	0...300 bar	100 mbar	300
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-E-EX 030