

## -1...1000 bar




## Your advantages

Type	E-Ex	D-Ex	L-Ex
	<ul style="list-style-type: none"> <li>• For use in potentially explosive atmospheres</li> <li>• Suitable for aggressive media</li> <li>• Oil- and grease-free version available</li> <li>• Robust and compact design with edge protection</li> </ul>		<ul style="list-style-type: none"> <li>• Like E-Ex / D-Ex</li> <li>• Additional PC interface for direct data transfer</li> <li>• Higher accuracy</li> </ul>

## Technical data

Type	E-Ex	D-Ex	L-Ex
<b>Pressure ranges</b>	Between 0...300 bar	Between -1...700 bar	Between -1...1000 bar
<b>Accuracy (full scale)</b>	0.5 %	0.1 %	0.05 %
<b>Adjustment options</b>			
<b>Tare / Zero</b>	✓		
<b>Selectable units</b>			
<b>Pressure</b>	bar	bar, mbar, hPa, kPa, MPa, PSI, kp/cm <sup>2</sup>	bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH <sub>2</sub> O, mH <sub>2</sub> O, inH <sub>2</sub> O, ftH <sub>2</sub> O, Kp/cm <sup>2</sup>
<b>Features</b>			
<b>Measuring inputs</b>	1 x direct		1 x direct
<b>Oil- and grease-free version (optional)</b>	✓ (< 200 bar)		
<b>PC connection</b>			RS 485
<b>Display</b>			
<b>Display</b>	Multi-functional LCD, 4 digit		Multi-functional LCD, 5 digit
<b>Min / Max value</b>	✓		✓
<b>Measuring rate</b>			
<b>Standard</b>	500 ms		
<b>Process connection</b>			
<b>Thread</b>	G $\frac{1}{4}$ / H16 UNF		G $\frac{1}{4}$
<b>Material</b>	Stainless steel 1.0718 zinc-plated / Stainless steel 1.4435		Stainless steel 1.4435
<b>Medium temperature</b>	0...50 °C		0...50 °C
<b>For aggressive media</b>	✓		✓

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

Order code				
Type	Accuracy (full scale)	Pressure range	Resolution	Order number
<b>E-Ex</b>	0.5 %	-1...30 bar	10 mbar	EME8REF-E-EX30
		0...300 bar	100 mbar	EME8REF-E-E300
<b>D-Ex</b>	0.1 %	-1...3 bar	1 mbar	EME8REF-D-EX03
		-1...30 bar	10 mbar	EME8REF-D-EX30
		-1...60 bar	10 mbar	EME8REF-D-EX60
		0...300 bar	100 mbar	EME8REF-D-EX300
		0...700 bar	200 mbar	EME8REF-D-EX700
<b>L-Ex</b>	0.05 %	-1...2 bar	0.1 mbar	EME8REF--12EL-5
		-1...10 bar	1 mbar	EME8REF--01EL-5
		-1...20 bar	1 mbar	EME8REF-03EL-5
		0...200 bar	10 mbar	EME8REF-02EL-5
		0...400 bar	50 mbar	EME8REF-04EL-5
		0...700 bar	100 mbar	EME8REF-07EL-5
		0...1000 bar	100 mbar	EME8REF-10EL-5