

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

-1...1000 bar



D-Ex



L-Ex



## Highlights – D-Ex

- For use in potentially explosive atmospheres
- Suitable for aggressive media
- Robust and compact design with edge protection
- Certificate (optional)


## Highlights – L-Ex

- Like D-Ex
- Additional PC interface for direct data transfer
- Higher accuracy
- Certificate (optional)

## Technical data

Type	D-Ex	L-Ex
<b>Pressure ranges</b>	Between -1...700 bar	Between -1...1000 bar
<b>Accuracy (full scale)</b>	0.1 %	0.05 %
<b>Adjustment options</b>		
<b>Tare / Zero</b>	✓	✓
<b>Selectable units</b>		
<b>Pressure</b>	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>PC connection</b>		RS 485
<b>Display</b>		
<b>Anzeige</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	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>	✓	✓

# Technical data

General data		
Type	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

## Article numbers

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
<b>Example order number</b>		<b>EME8REF-D-EX</b>	<b>030</b>

# Accessories

Accessories	Order number
SIKA-Works calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000D
DAkKS calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000W
Measuring point designation	
<p>Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points</p> <p>→ <b>Scope of delivery:</b> Designation plate inscribed according to specification and enclosed fixing wire (sealing wire)</p> <p>→ <b>Fastening:</b> Wire (included in delivery), alternatively sealing, cable ties or similar (not included in delivery)</p> <p>→ <b>Materials:</b> Plate stainless steel 1.4571, wire stainless steel</p> <p>→ <b>Dimensions:</b> Plate 55 x 10 x 0.8 mm, wire length 180 mm</p> <p>→ <b>Inscription:</b> one-sided, single-line, max. 11 characters, character height 5 mm, designation width max. 40 mm, letters, numbers, symbols, barcodes, QR codes</p> <p>→ <b>Transmission of designations:</b> digital list, file formats Excel, Word or CSV</p>	<p><b>ONSITETAG</b></p>

