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**
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/cm²	Bar, mbar, hPa, kPa, MPa, PSI, mmHg, inHg, cmH2O, mH2O, inH2O, ftH2O, Kp/cm²
Features		
Measuring inputs **PC connection**	1 x direct	1 x direct RS 485
Display		
Anzeige **Min / Max value**	Multi-functional LCD, 4 digit ✓	Multi-functional LCD, 5 digit ✓
Measuring rate		
Standard	500 ms	500 ms
Process connection		
Thread **Material** **Medium temperature** **For aggressive media**	G¼ / H16 UNF Stainless steel 1.0718 zinc-plated Stainless steel 1.4435 0...50 °C ✓	G¼ Stainless steel 1.4435 0...50 °C ✓

SIKA Dr. Siebert & Kühn GmbH & Co. KG
Struthweg 7-9 // 34260 Kaufungen // Germany
www.sika.net

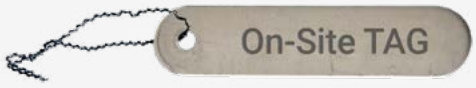
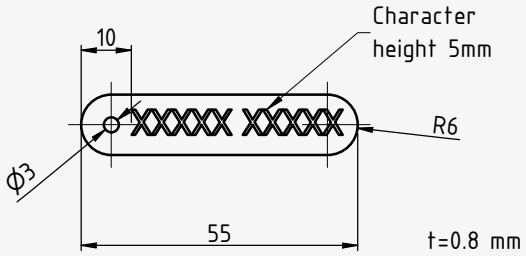
Technical data

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

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...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

Accessories	Order number
SIKA-Works calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000W
DAkkS calibration certificate, 10 calibration points (no vacuum)	EKDRUCK000000D
Rubber protection cap	XP0229
Measuring point designation	
Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points → **Scope of delivery:** Designation plate inscribed according to specification and enclosed fixing wire (sealing wire) → **Fastening:** Wire (included in delivery), alternatively sealing, cable ties or similar (not included in delivery) → **Materials:** Plate stainless steel 1.4571, wire stainless steel → **Dimensions:** Plate 55 x 10 x 0.8 mm, wire length 180 mm → **Inscription:** one-sided, single-line, max. 11 characters, character height 5 mm, designation width max. 40 mm, letters, numbers, symbols, barcodes, QR codes → **Transmission of designations:** digital list, file formats Excel, Word or CSV  	**ONSITETAG**

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