Digital pressure gauges // F2

-1...1000 bar // -14...14500 PSI



F2

Highlights

- Easy two-button operation
- Switchable pressure units
- Compact housing

Digital Pressure Gauge Type F2

The battery-operated SIKA type F2 digital pressure gauge is a costeffective alternative to a conventional analog pressure gauge with an typical accuracy of 0.8 % (nominal 1 %) of the full scale value. Its ideal areas of use are standard applications in hydraulics, pneumatics, water and waste water technology and plant and mechanical engineering.

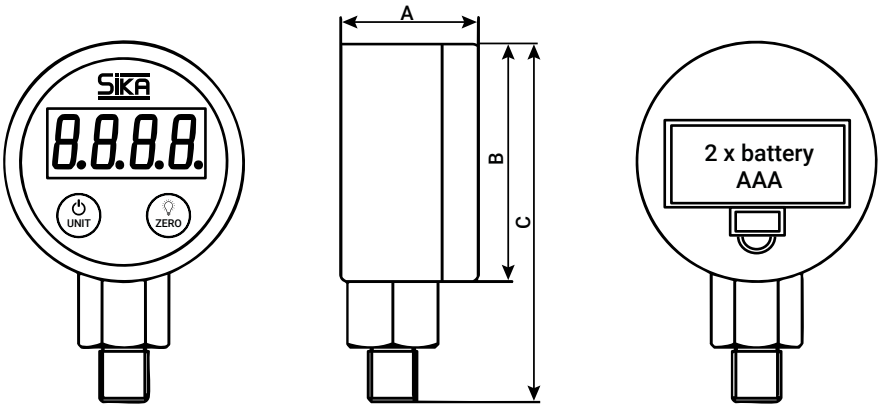
This digital pressure gauge has an excellent price/performance ratio and offers a 4-digit LCD display with bargraph and back-light, a zero point correction and the option to switch between the world's most common units such as bar, kPa, PSI, kgf/cm², mbar and MPa, depending on the measuring range.

Overview pressure ranges

Pressure range	Burst pressure	bar	kPa	PSI	kgf/cm²	mbar	MPa
-1...0 bar (-14...0 PSI)	1 bar (14 PSI)	✓	✓	✓	✓	✓	✓
-1...3 bar (-14...40 PSI)	6 bar (85 PSI)	✓	✓	✓	✓	✓	✓
0...6 bar (0...85 PSI)	12 bar (170 PSI)	✓	✓	✓	✓	✓	✓
0...10 bar (0...145 PSI)	20 bar (290 PSI)	✓	✓	✓	✓		✓
0...16 bar (0...230 PSI)	32 bar (460 PSI)	✓	✓	✓	✓		✓
-1...25 bar (-14...360 PSI)	50 bar (720 PSI)	✓	✓	✓	✓		✓
-1...40 bar (-14...580 PSI)	80 bar (1160 PSI)	✓	✓	✓	✓		✓
0...60 bar (0...870 PSI)	120 bar (1740 PSI)	✓	✓	✓	✓		✓
0...100 bar (0...1450 PSI)	150 bar (2175 PSI)	✓		✓	✓		✓
0...160 bar (0...2320 PSI)	240 bar (3480 PSI)	✓		✓	✓		✓
0...250 bar (0...3625 PSI)	375 bar (5435 PSI)	✓		✓	✓		✓
0...400 bar (0...5800 PSI)	600 bar (8700 PSI)	✓		✓	✓		✓
0...600 bar (0...8700 PSI)	900 bar (13050 PSI)	✓		✓	✓		✓
0...700 bar (0...10150 PSI)	1050 bar (15220 PSI)	✓		✓	✓		✓
0...1000 bar (0...14500 PSI)	1500 bar (21750 PSI)	✓		✓	✓		✓

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Technical drawings



Dimensions

Dimensions (mm)			
Type	**A**	**B**	**C**
F2	38	Ø 66 (without rubber protection cap) Ø 69 (with rubber protective cap)	99...120

Dimensions (inch)			
Type	**A**	**B**	**C**
F2	1.5	Ø 2.6 (without rubber protection cap) Ø 2.7 (with rubber protective cap)	3.9...4.7

Technical data

Technical data		
Type	**F2**	
Pressure ranges	See overview pressure ranges	
Accuracy (± of full scale value)	typical +/- 0.8% FS (nominal +/-1 % FS)	
Units		
Selectable pressure units	bar, mbar, PSI, kgf/cm², kPa, MPa	
Display		
Type	Large single 4 digit LCD display with backlight (white) percentage bars indication, battery status	
Display rate	2 readings per second	
Measuring system		
Pressure measuring cell	≤ 250 bar ceramic > 250 bar stainless steel	
Operating temperature	10...70 °C	14...160 °F
Compensation temperature	18...30 °C	65...90 °F
Long-term stability	+/- 0.2% FS / year	
Measuring medium	Non-explosive gases, water, oil All non-highly viscous media that do not corrode stainless steel	
Process connection		
Process connection	G¼ or ¼" NPT via adapter	
Connection material	Stainless steel 1.4301 / AISI 304	
Housing		
Electrical protection	EN 61326	
Housing material	Stainless steel 1.4301 / AISI 304	
Weight	0.3 kg	0.7 lbs
Power supply		
Power supply	2x AAA batteries (not included in the scope of delivery)	
Battery life	2400 hours	

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Article numbers

Order code					
Type					
Digital pressure gauge F2	EME8RF2				
Features					
Protection cover		-			
Accuracy					
+/- 1% FS			0		
Pressure range [bar]	**Pressure range [PSI]**				
-1...0	-14...0			001	
-1...3	-14...40			003	
0...6	0...85			006	
0...10	0...145			010	
0...16	0...230			016	
-1...25	-14...360			025	
-1...40	-14...580			040	
0...60	0...870			060	
0...100	0...1450			100	
0...160	0...2320			160	
0...250	0...3625			250	
0...400	0...5800			400	
0...600	0...8700			600	
0...700	0...10150			700	
0...1000	0...14500			01K	
Thread					
G¼					G
Example order number	**EME8RF2**	**-**	**0**	**160**	**G**

Accessories

Accessories	Order number
Suitable NPT adapter (Stainless steel) - G¼ (female) - ¼" NPT (male)	FHP082

Scope of delivery

Scope of delivery
Digital pressure gauge
Protection cover
Operating instructions
Thread adapter (optional for ¼" NPT version)