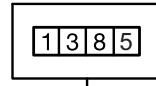


Hand-Operated Precision Pressure Gauge

MHA

Description	A piezo-resistive pressure sensor converts the input pressure into a digital electrical signal, which is displayed on the LCD. On-off switch is located at the side of the plastic housing.
Media	compressed air or non-corrosive gases
Pneumatic connection	P+: pos. pressure P-: vacuum P+/P-: differential pressure, the higher pressure to be connected at P+ plug nipple up to 1 bar, sleeve with union nut from 2 bar on, each for hose internal diameter of Ø 4 mm
Voltage supply	9 V battery, 2.5 mA, type 6F22, PP3 or similar
Display	max. ± 1999, 12 mm tall, black numbers, 3½-digit LCD display, low battery display at low voltage, red LED lights up at overpressure, then measurement is faulty
Output signal	optionally 0...1 V
Zero point	All devices have a potentiometer for rough adjustment of zero point at the side of the housing.
Linearity	see chart, optionally 0.2% FS
Long-term stability	< 0.1% FS per year at > 20 mbar,
Temperature sensitivity	see chart, at 0 to 50 °C / 32 to 122 °F
Temperature range	0 °C to 50 °C / 32 °F to 122 °F
Material	Housing: plastic
Hysteresis	< 0.1% FS
Repeatability	< 2% FS per year at < 20 mbar
Resolution	0.05% FS
Protection class	IP 54



positive pressure, vacuum
and differential pressure

Repeatability	Temperature error	Linearity error	Over-pressure	Measurement range	Order number
% FS	% FS	% FS	max. bar	mbar/bar	

Hand-operated gauge for compressed air, measurement of positive pressure, vacuum and differential pressure, with battery, 3½-digit display MHA

1.0	4.0	1.0	0.25	0 ... 1 mbar	MHA-A1
0.3	2.5	0.8	0.25	0 ... 2.5 mbar	MHA-A2
0.3	1.2	0.8	0.25	0 ... 5 mbar	MHA-A5
0.2	1.0	0.8	0.25	0 ... 10 mbar	MHA-B1
0.1	1.0	0.7	0.35	0 ... 25 mbar	MHA-B2
0.1	1.0	0.7	0.35	0 ... 50 mbar	MHA-B5
0.1	1.0	0.5	0.35	0 ... 100 mbar	MHA-C1
0.1	1.0	0.5	0.75	0 ... 250 mbar	MHA-C2
0.1	1.0	0.5	1.5	0 ... 500 mbar	MHA-C5
0.1	1.0	0.5	3.0	-1 ... 1 bar	MHA-V1
0.1	1.0	0.5	3.0	0 ... 1 bar	MHA-01
0.1	1.0	0.5	4.0	0 ... 2 bar	MHA-02
0.1	2.0	0.5	10	0 ... 8 bar	MHA-08
0.1	2.0	0.5	12	0 ... 10 bar	MHA-10
0.1	2.3 mbar	1 mbar	3.3	0.7 ... 1.1 bar _{abs}	MHA-S1



Gauges

11385

14

Special options, add the appropriate letter

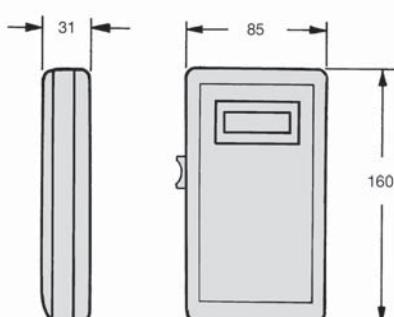
linearity < 0.2% FS	from 100 mbar on	MHA-..B
0-1 V output signal	at electrical connector	MHA-..N
P _a indication	< 20 mbar: indication P _a > 20 mbar: indication kP _a	MHA-..P
zero point fine adjustment	in the front	MHA-..E
range switch	10:1, from measurement range 1 bar on	MHA-..D
deviant measurement range	to be indicated on order	MHA-XX



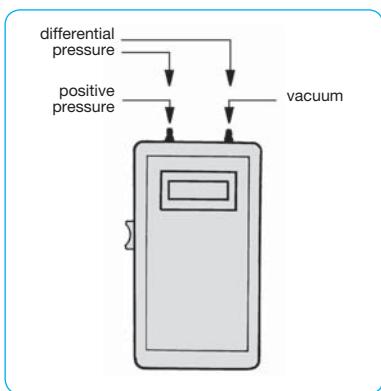
MHA-..E

Accessories

protective bag	for belt attachment	MHT
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MHA



connection diagram

Calibration or test chart: see chapter "Technical Information"

PDF CAD
www.aircom.net



Order example:
MHA-A1