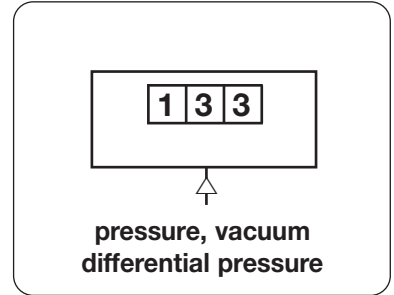


Description	A piezo-resistive pressure sensor converts the input pressure into a digital electrical signal which is displayed on the LCD. Fluid media are compressed air and non-corrosive gases. On-off switch at the side of the plastic housing 160x85x31 mm.	
Pneum. connection	P+ : pressure P- : vacuum P+/P- : differential pressure, at P+ the higher pressure is to be connected	Connection for tubes of Ø 4 mm or Ø 6 mm i. d.
Zero	all devices have a potentiometer for rough adjustment of zero at the side of the housing.	
MHB	increased linearity 0.2% FS	fine adjustment at the front only for range > 100 mbar
MH-...N	analogue outlet signal 0-1V, R _L : > 2kΩ	terminal for 2.5 mm wire
Display	3 1/2 digit, height 12 mm, 7-segment LCD, max. ±1.999	indication if battery is flat
Error display	red LED gives signal if overpressure is too high. Measurement is therefore incorrect.	
Battery	9V, 2.5 mA type 6F22 or PP3, or similar	Protection class: IP54
Linearity	> 0.2% at MHB, 0.6% - 4% at MHA, please consult table	Hysteresis: 0.1 % FS ± 1 digit
Long-term stability	0.1% FS/over one year at >20 mbar range, 2% FS at <20 mbar range	Resolution: 0.05% FS ± 1 digit
Temp. stability	0.6% - 4% FS over operating temperature range, please consult table	
Temperature range	0 °C to 50 °C / 32 °F to 120 °F operating temperature, -20 °C to 120 °C / -4 °F to 250 °F storage temperature	



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

Pressure gauge	pressure, vacuum and differential pressure for compressed air, with battery, 3 1/2-digit display				MHA
1.0	4	1.0	0.25	0... 1 mbar	MHA-A1
0.3	2.5	0.8	0.25	0... 2 mbar	MHA-A2
0.3	1.2	0.8	0.25	0... 5 mbar	MHA-A5
0.2	0.6	0.8	0.25	0... 10 mbar	MHA-B1
0.1	0.6	0.7	0.35	0... 20 mbar	MHA-B2
0.1	0.6	0.7	0.35	0... 50 mbar	MHA-B5
0.1	0.6	0.5	0.35	0... 100 mbar	MHA-C1
0.1	0.6	0.5	0.75	0... 200 mbar	MHA-C2
0.1	0.6	0.5	1.5	0... 500 mbar	MHA-C5
0.1	0.6	0.5	3	0... 1 bar	MHA-01
0.1	0.6	0.5	5	0... 2 bar	MHA-02
0.1	0.6	0.5	10	0... 8 bar	MHA-08
0.1	0.6	0.5	12	0... 10 bar	MHA-10
0.1	2.3 mbar	1 mbar	3	0.7...1.1 bar _{abs}	MHA-S1

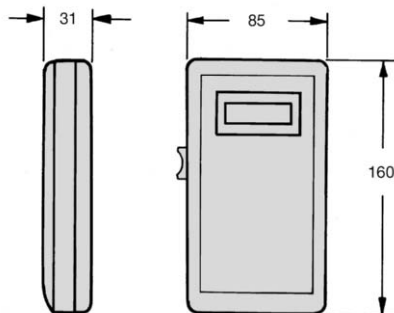


MHA



MHB

Special options	add the appropriate letter	Accessories
0.2% linearity	zero fine adjustment front side, as from 100 mbar	B MHB- ..
0-1V signal	analogue outlet signal at electrical connector	N MH . . . N
range switch	1 : 10	D MH . . . D
P_a-indication	< 20 mbar: P _a ; > 20 mbar: kP _a	P MHA- . . P
with bag	to attach at the belt	MHT
battery	with increased service life 600 mAh	MHK



For your information:	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	1 mbar: 0.4 inch H ₂ O	1 mbar: 0.01 m H ₂ O
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	1 inch H ₂ O: 2.5 mbar	1 m H ₂ O: 98 mbar



Order example:
MHA-C1