

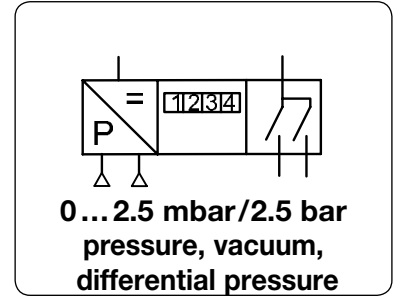
# MEASURING DEVICES

	DESCRIPTION	PRESSURE RANGE bar	CONNECTION thread	DEVICE	PAGE
<b>DIGITAL DISPLAY</b>	mounting, for low pressure	0 ... 2.5 mbar / 2.5 bar	4 mm tube	MPV, MPA	<b>14.02</b>
	portable, hand-operated press. gauge	0 ... 1 mbar / 10 bar	4 mm tube	MHA	<b>14.03</b>
	mounting, programmierbar	external sensor		MPAX	<b>14.04</b>
	mounting, auch ext. Sensor	0 ... 1 mbar / 10 bar	4 mm tube	MKA	<b>14.05</b>
<b>ANALOGUE DISPLAY</b>	mounting, front ring	-1 ... 0 / 25 bar	G $\frac{1}{8}$ and G $\frac{1}{4}$	ME	<b>14.06</b>
	mounting, triangular bezel	-1 ... 0 / 25 bar	G $\frac{1}{8}$ and G $\frac{1}{4}$	MF	<b>14.06</b>
	male thread, Ø 23 mm	0 ... 4 / 16 bar	M5 and G $\frac{1}{8}$	MA	<b>14.07</b>
	male thread, Ø 40 mm	0 ... 1 / 16 bar	G $\frac{1}{8}$	MA	<b>14.07</b>
	male thread Ø 50 mm	0 ... 1 / 60 bar	G $\frac{1}{8}$ and G $\frac{1}{4}$	MA	<b>14.07</b>
	male thread, Ø 63 mm	0 ... 60 mbar / 100 bar	G $\frac{1}{4}$	MA	<b>14.07</b>
<b>STAINLESS STEEL</b>	male thread, Ø 40 mm	0 ... 2.5 / 16 bar	G $\frac{1}{8}$ and G $\frac{1}{4}$	MS	<b>14.08</b>
	male thread, Ø 50 mm	0 ... 2.5 / 60 bar	G $\frac{1}{4}$	MS	<b>14.08</b>
	male thread, Ø 63 mm	0 ... 25 mbar / 60 bar	G $\frac{1}{4}$	MS	<b>14.08</b>



# 14

<b>Description</b>	A piezo-resistive pressure sensor converts the input pressure into a digital electrical signal.	
<b>Medium</b>	compressed air or non-corrosive gases	
<b>Voltage supply</b>	16...32 V DC standard, optionally 230 V AC, optional wall power supply	<b>Overpressure</b> see chart
<b>Electrical connection</b>	screw terminals for wire up to 1.5 mm <sup>2</sup>	
<b>Pneumatic connection</b>	<b>P+</b> : pos. pressure <b>P-</b> : vacuum <b>P+/P-</b> : differential pressure, the higher pressure is to be connected at P+	
<b>Process connection</b>	4 mm and 6 mm tube connections	
<b>Display</b>	4-digit LCD display, max. ± 1999	
<b>Output signal</b>	0...10 V, optionally 4...20 mA, impedance < 500 Ω	
<b>Linearity/Hysteresis</b>	< 1% FS, optionally < 0.5% FS	
<b>Long-term stability</b>	< 0.5% FS per year at < 10 mbar, < 0.1% FS per year at > 25 mbar	
<b>Temperature sensitivity</b>	see chart, at 0 to 50 °C / 32 to 122 °F	
<b>Response time</b>	< 1 ms for 10...90% of pressure range	
<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F compensated pressure range	
<b>Material</b>	Housing: glass fibre-reinforced Noryl plastic	
	<b>Repeatability</b>	<b>Protection class</b> IP 20



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

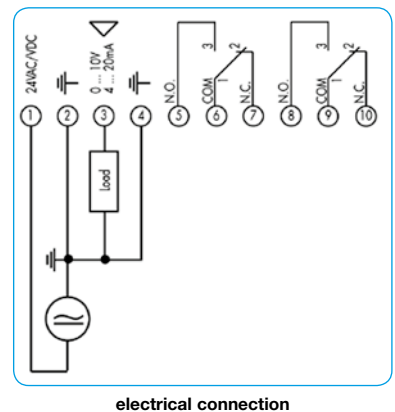
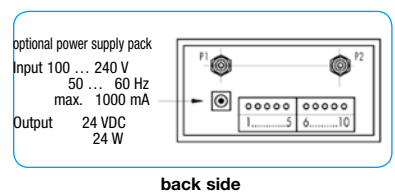
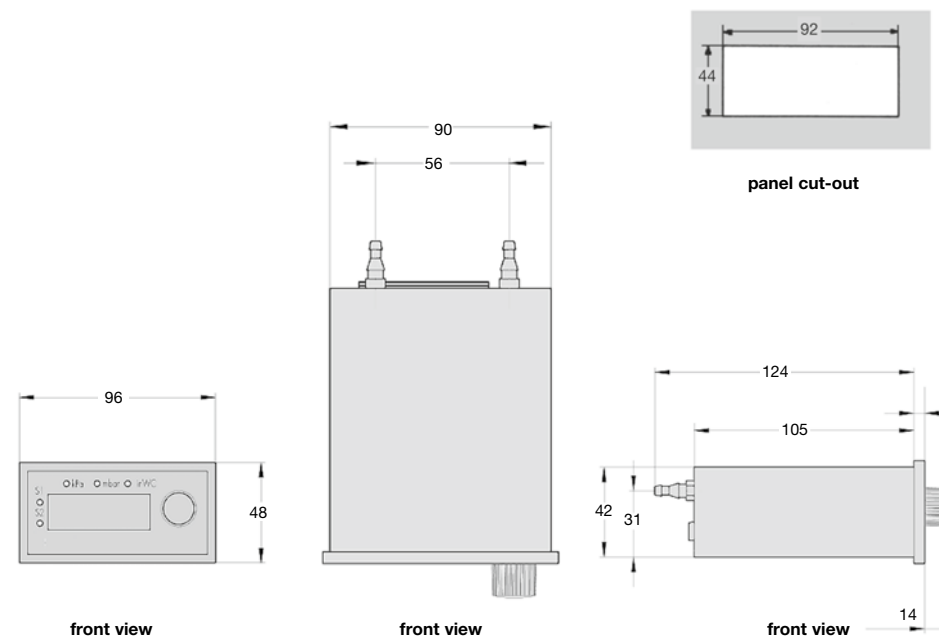
Digital gauge	for compressed air, measurement of positive pressure, vacuum and differential pressure, 24 V DC, outlet signal 0...10 V, 3½-digit display				MPV
0.2	5.0	1.0	25 mbar	0... 2,5 mbar	<b>MPV-A2</b>
0.2	5.0	1.0	25 mbar	0... 5 mbar	<b>MPV-A5</b>
0.2	2.5	1.0	25 mbar	0... 10 mbar	<b>MPV-B1</b>
0.5	1.0	1.0	300 mbar	0... 25 mbar	<b>MPV-B2</b>
0.5	1.0	1.0	750 mbar	0... 50 mbar	<b>MPV-B5</b>
0.5	1.0	1.0	1 bar	0...100 mbar	<b>MPV-C1</b>
0.5	1.0	1.0	1 bar	0...250 mbar	<b>MPV-C2</b>
0.5	1.0	1.0	1 bar	0...500 mbar	<b>MPV-C5</b>
0.5	1.0	1.0	3 bar	0... 1 bar	<b>MPV-01</b>
0.5	1.0	1.0	6 bar	0... 2.5 bar	<b>MPV-02</b>



**MPV-C1S**  
with two limit switches

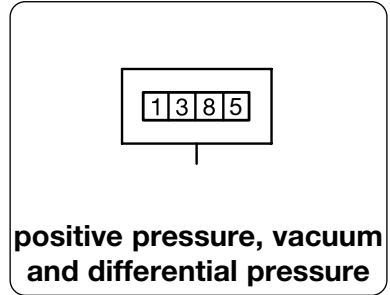
## Special options, add the appropriate letter

<b>4...20 mA output signal</b>		MPA- . .
<b>two limit switches</b>	with LED, 230 V AC, 1 A, adjustable NOC	MP . . . S
<b>linearity 0.5%</b>		MP . . . B
<b>230 V AC</b>	supply voltage	MP . . . V
<b>deviant measurement range</b>	to be indicated on order (max. 2,5 bar)	MP . . XX



\*1 Handshake on/off, Baudrate 9600

<b>Description</b>	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.	
<b>Media</b>	compressed air or non-corrosive gases	<b>Overpressure</b> see chart
<b>Pneumatic connection</b>	<b>P+</b> : pos. pressure <b>P-</b> : vacuum <b>P+/P-</b> : 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	
<b>Voltage supply</b>	9 V battery, 2.5 mA, type 6F22, PP3 or similar	
<b>Display</b>	3½-digit LCD display, optionally 0...1 V	max. ± 1999, 12 mm tall, black numbers, red LED lights up at overpressure, then measurement is faulty
<b>Output signal</b>	low battery display at low voltage,	Impedance: > 2 kΩ terminal for 2.5 mm 2-pin jack plug
<b>Zero point</b>	All devices have a potentiometer for rough adjustment of zero point at the side of the housing.	
<b>Linearity</b>	see chart, optionally 0.2% FS	<b>Hysteresis</b> < 0.1% FS
<b>Long-term stability</b>	< 0.1% FS per year at > 20 mbar,	< 2% FS per year at < 20 mbar
<b>Temperature sensitivity</b>	see chart, at 0 to 50 °C / 32 to 122 °F	<b>Repeatability</b> see chart
<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F	<b>Resolution</b> 0,05% FS
<b>Material</b>	Housing: plastic	<b>Protection class</b> IP 54



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-O1
0.1	1.0	0.5	4.0	0... 2 bar	MHA-O2
0.1	2.0	0.5	10	0... 8 bar	MHA-O8
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 <sub>abs</sub>	MHA-S1

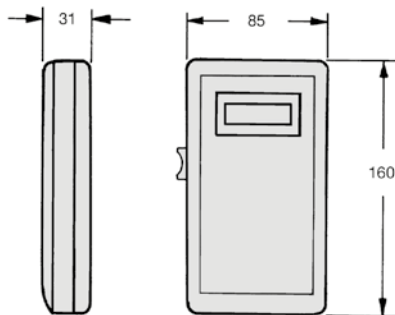


MHA

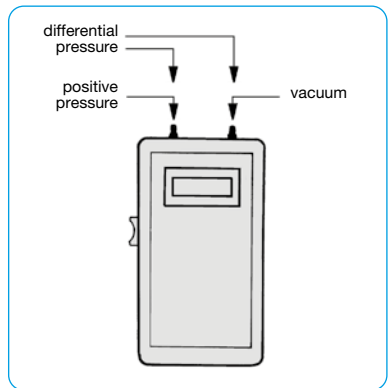
Gauges  
1385  
14

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 <sub>a</sub> indication	< 20 mbar: indication P <sub>a</sub> > 20 mbar: indication kP <sub>a</sub>	MHA- . . P
zero point fine adjustment	in the front	MHA- . . E
deviant measurement range	to be indicated on order	MHA-XX

Accessories, enclosed		
protective bag	for belt attachment	MHT

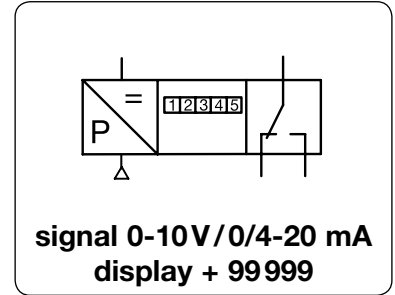


MHA



connection diagram

<b>Description</b>	Digital, programmable display for dual range input 0 to 10 V DC or 0/4 to 20 mA with 24 V DC transmitter power. Min./max. value memory, 16-point scale for non-linear processes. Programmable function keys / user inputs. Four setpoint alarm outlets. Analogue outlet, interface and bus capabilities. data entry by keypad, optionally by serial interface RS232 with PC software and cable or by RS485 11 ... 36 V DC, max. power consumption 11 W or 85 ... 250 V AC, max. power consumption 15 VA		
<b>Programming</b>	5-pin LCD display 14 mm tall, red numbers, background lighting		
<b>Supply voltage</b>	terminal strip for area 0.14...1.5 mm <sup>2</sup> 0...10 V or 0/4...20 mA		
<b>Display</b>	0/4 ... 20 mA or 0 ... 10 V, freely selectable 24 V DC ± 5%, max. 50 mA		
<b>Electrical connector</b>	2x SPDT 5 A or 4x NOC 3 A, at 24 V DC		
<b>Analogue output card</b>	24 V DC ± 5%, max. 50 mA		
<b>Transistor output card</b>	200 ms		
<b>Measuring rate</b>	input signal x time		
<b>Measurement memory</b>	CE-certified, UL-listed		
<b>Display accuracy</b>	16 bit A/D converter		
<b>Response time</b>	IP 65 in the front		
<b>Temperature range</b>	The electrical plug-in module can be pulled out rearwards.		
<b>Material</b>			



Dimensions			Accuracy	Supply voltage	Input signal	Order number
A	B	C	% FS	V	mA/V	
mm	mm	mm				

Process display	5-digit display, freely scaleable, for external sensor			MPAX
97 50 107	0.12	<b>230 V AC</b>	0/4-20 mA / 0-10 V	<b>MPAX-230</b>
97 50 107	0.12	<b>24 V DC</b>	0/4-20 mA / 0-10 V	<b>MPAX- 24</b>



MPAX

### Special options, add the appropriate letter

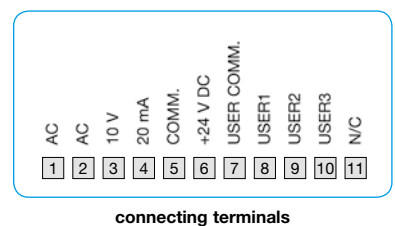
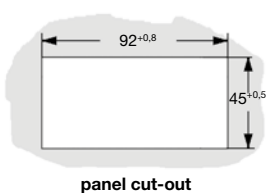
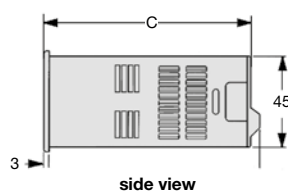
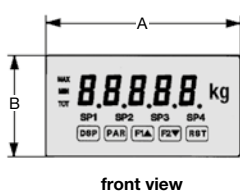
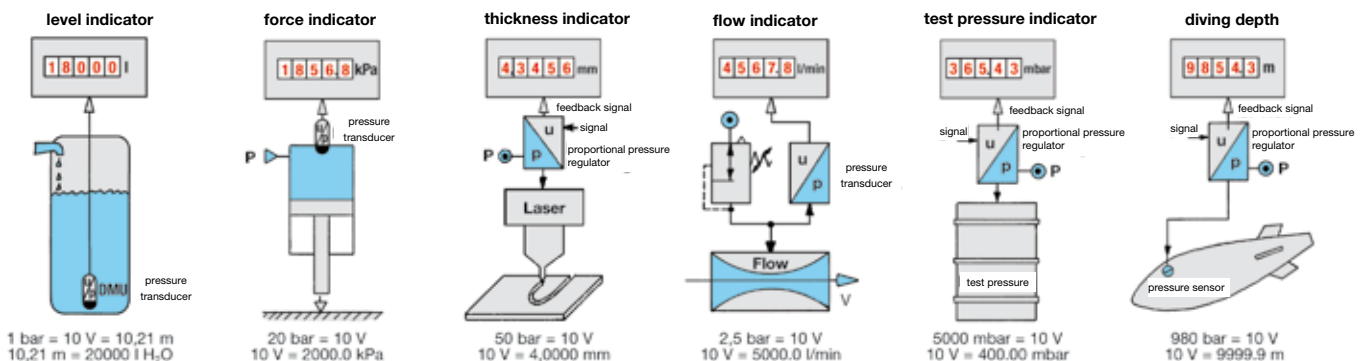
<b>programming*1</b>	factory-set, e.g. 4-20 mA / 2-10 bar	MPAX- . . <b>PR</b>
<b>interface</b>	RS232 with 9-pin D-SUB plug-in card	MPAX- . . <b>32</b>
	RS485 with 2 x RJ-11 connectors plug-in card	MPAX- . . <b>85</b>
<b>Relay output*2</b>	2 x SPDT 5 A at 230 VAC, plug-in card	MPAX- . . <b>2W</b>
	4 x NOC 3 A at 230 VAC, plug-in card	MPAX- . . <b>4S</b>
<b>transistor output*2</b>	4 x NPN plug-in card	MPAX- . . <b>4N</b>
	4 x PNP plug-in card	MPAX- . . <b>4P</b>
<b>output signal</b>	0/4-20 mA oder 0-10 V, free selectable	MPAX- . . <b>AA</b>
<b>bus interface</b>	Profibus dp	MPAX- . . <b>DP</b>



plug-in card

### Accessories, enclosed

<b>physical units</b>	label sheet with standard dimensions	<b>MPAX-BK</b>
<b>software</b>	for Microsoft Windows®	<b>MPAX-X1</b>
<b>programming kit</b>	software, interface board RS232 plus cable	<b>MPAX-EM</b>
<b>adapter</b>	software, interface board USB plus cable	<b>MPAX-USB</b>



\*1 Signal range, indicated values, dimensions or limit value, rounding factor, resolution, total account etc. to be indicated.  
\*2 Only one of these two options can be realised.

**Calibration or test chart:** see chapter "Technical Information"  
**Pressure transducers:** see chapter "Pressure Transducers"

**PDF CAD**  
www.aircom.net

**Order example:**  
**MPAX-230**

<b>Description</b>	Suitable for measurement of positive pressure, vacuum or differential pressure.
<b>Media</b>	compressed air or non-corrosive gases
<b>Supply voltage</b>	15...30 V DC standard, optionally 230 V AC $\pm$ 10%
<b>Electrical connector</b>	plug with 7-pin screw terminal for cable cross-sectional area 0.14...1.5 mm <sup>2</sup>
<b>Pneumatic connection</b>	<b>P+</b> : pos. pressure <b>P-</b> : vacuum <b>P+/-</b> : differential pressure, the higher pressure is 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 $\varnothing$ 4 mm
<b>Display</b>	3½-digit LCD display, max. $\pm$ 1999, 14 mm tall, black numbers
<b>Output signal</b>	0...10 V, impedance > 10 k $\Omega$ , optionally 4...20 mA, impedance < 500 $\Omega$
<b>Linearity</b>	see chart, optionally 0.2% FS
<b>Long-term stability</b>	< 0.1% FS per year at > 25 mbar, < 1% FS per year at > 5 mbar, < 2% FS per year at < 5 mbar range
<b>Temperature sensitivity</b>	see chart, at 0 °C to 50 °C / 32 °F to 122 °F
<b>Response time</b>	100 ms
<b>Temperature range</b>	-20 °C to 50 °C / -4 °F to 122 °F
<b>Material</b>	Housing: aluminium
	<b>Overpressure</b> see chart
	<b>Hysteresis</b> < 0.1% FS
	<b>Repeatability</b> see chart
	<b>Resolution</b> 1 digit
	<b>Protection class</b> IP 54

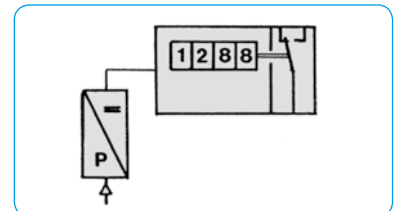
**0 ... 1 mbar / 1000 bar**  
pressure, vacuum, differential pressure

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

Digital gauge	for compressed air, measurement of positive pressure, vacuum and differential pressure, 24 V DC, outlet signal 0...10 V, 3½-digit display				MKA
1.0	4.0	1.0	0.25	0... 1 mbar	MKA-A1
0.3	2.5	0.8	0.25	0... 2.5 mbar	MKA-A2
0.3	1.2	0.8	0.25	0... 5 mbar	MKA-A5
0.2	1.0	0.8	0.25	0... 10 mbar	MKA-B1
0.1	1.0	0.7	0.35	0... 25 mbar	MKA-B2
0.1	1.0	0.7	0.35	0... 50 mbar	MKA-B5
0.1	1.0	0.5	0.35	0... 100 mbar	MKA-C1
0.1	1.0	0.5	0.75	0... 250 mbar	MKA-C2
0.1	1.0	0.5	1.5	0... 500 mbar	MKA-C5
0.1	1.0	0.5	3.0	-1... 1 bar	MKA-V1
0.1	1.0	0.5	3.0	0... 1 bar	MKA-01
0.1	1.0	0.5	4.0	0... 2 bar	MKA-02
0.1	2.0	0.5	10	0... 8 bar	MKA-08
0.1	2.0	0.5	12	0... 10 bar	MKA-10
0.1	2.3 mbar	1 mbar	3.3	0.7... 1.1 bar <sub>abs</sub>	MKA-S1

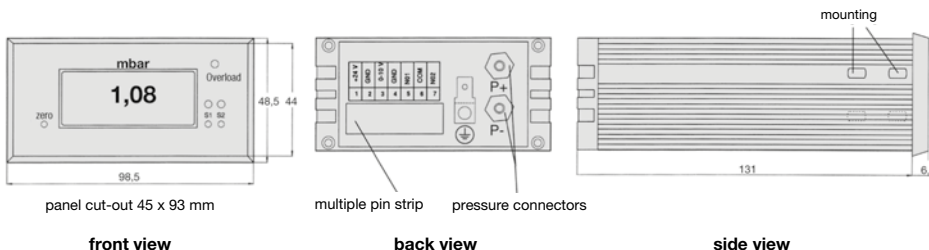
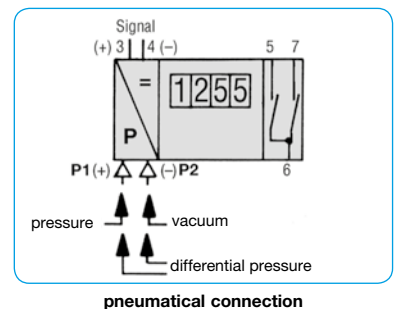
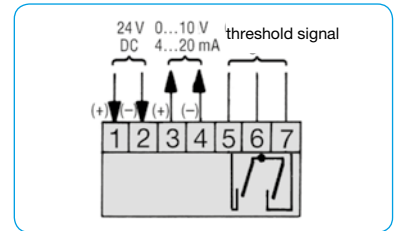


Digital gauge for external sensor	0...10 V input signal, supply voltage 24 V DC, 3½-digit display		MKA*2
96	48	137	e.g. for pressure transducer
			MKA-00



**Special options, add the appropriate letter**

two limit switches	with LED display, 230 V AC, 1 A, hysteresis 2% FS	MKA-...S
linearity < 0.2% FS	from 100 mbar	MKA-...B
4...20 mA output signal	impedance < 500 $\Omega$	MKA-...A
4...20 mA input signal	internal resistance 100 $\Omega$	MKA-00A
P <sub>a</sub> indication	< 20 mbar: indication P <sub>a</sub> > 20 mbar: indication kP <sub>a</sub>	MKA-...P
230 V AC	supply voltage	MKA-...V
RS232*1	interface, 8 bit without parity	MKA-...R
deviant measurement range	to be indicated on order	MKA-XX



\*1 Handshake on/off, Baudrate 9600

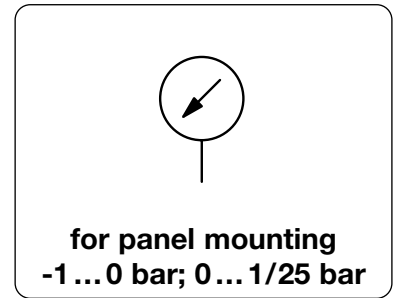
\*2 indicate pressure range by order

Calibration or test chart: see chapter "Technical Information"  
Pressure transducers: see chapter "Pressure Transducers"

PDF CAD  
www.aircom.net

Order example:  
MKA-A1

<b>Description</b>	Bourdon tube gauge, dust-protected, splash-proof, antirust, oil-resistant and silicone-free.		
<b>Media</b>	all media compliant with brass, e.g. compressed air, non-corrosive gases or fluids		
<b>Scale</b>	white background with black bar scale and red psi scale		
<b>Indicator accuracy</b>	1.6% FS on gauge Ø 63 mm 2.5% FS on gauge Ø 40 mm and Ø 50 mm		
<b>Threaded connection</b>	G $\frac{1}{8}$ or G $\frac{1}{4}$ , on central back		
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F, for appropriately conditioned compressed air down to -20 °C / -4 °F		
<b>Material</b>	Housing: ABS plastic Lens: acrylic glass	Connection/Inner parts: brass	



Dimensions				Principle	Indicator	Display	Order	Order
A	B	C	D	R: Bourdon tube	accuracy	range	number	number
mm	mm	mm	mm	K: capsule tube	% FS	bar	G $\frac{1}{8}$	G $\frac{1}{4}$

Gauge with mounting flange							chrome-plated	ME40	ME50/63
40	61	51	46	R	2.5	0 ... 2.5		ME4001-02	
						0 ... 4		ME4001-04	
						0 ... 6		ME4001-06	
						0 ... 10		ME4001-10	
50	71	61	52	R	2.5	0 ... 6			ME5002-06
						0 ... 10			ME5002-10
						0 ... 16			ME5002-16
63	85	75	53	R	1.6	-1 ... 0 vac.			ME6302-00
						0 ... 4			ME6302-04
						0 ... 6			ME6302-06
						0 ... 10			ME6302-10
						0 ... 16			ME6302-16

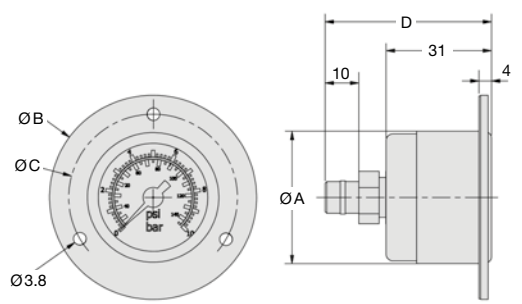


ME5002-10

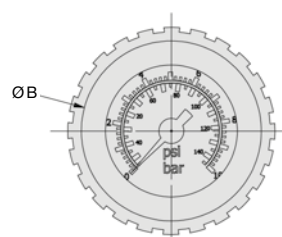
Gauge with triangular bezel							chrome-plated with nut	MF40	MF50/63
40	43	-	-	R	2.5	0 ... 2.5		MF4001-02	
						0 ... 4		MF4001-04	
						0 ... 6		MF4001-06	
						0 ... 10		MF4001-10	
50	55	-	-	R	2.5	-1 ... 0 vac.			MF5002-00
						0 ... 6			MF5002-06
						0 ... 10			MF5002-10
						0 ... 16			MF5002-16
63	68	-	-	R	1.6	-1 ... 0 vac.			MF6302-00
				K		0 ... 0.25			MF6302-C2
				R		0 ... 4			MF6302-04
						0 ... 6			MF6302-06
						0 ... 10			MF6302-10
						0 ... 16			MF6302-16
						0 ... 25			MF6302-25



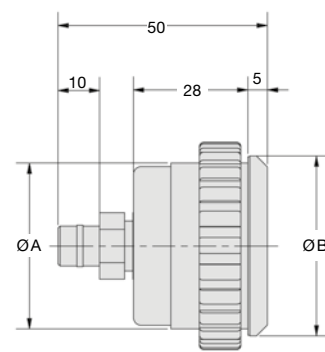
MF6302-10



ME  
gauge with mounting flange



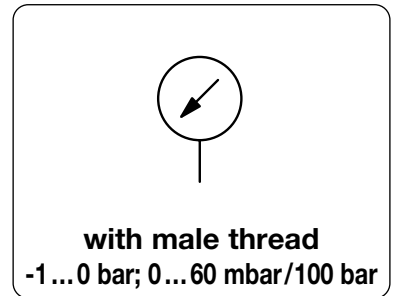
MF  
gauge with triangular bezel



# PRESSURE GAUGE WITH MALE THREAD

MA

<b>Description</b>	Pressure gauge with Bourdon tube or capsule, dust-protected, splash-proof, antirust, oil-resistant and silicone-free. The capsule type gauge features an integrated restrictor against pressure peaks.		
<b>Media</b>	all media compliant with brass, e.g. compressed air, non-corrosive gases or fluids		
<b>Scale</b>	Bourdon tube gauge: white background with black bar scale and red psi scale capsule type gauge: white background with black mbar scale		
<b>Indicator accuracy</b>	1.6% FS on gauge Ø 63 mm 2.5% FS on gauge Ø 40 mm and Ø 50 mm, 4% FS on gauge Ø 23 mm		
<b>Connection thread</b>	G½ or G¼, on central back, M5 at gauge Ø 23 mm		
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F, for appropriately conditioned compressed air down to -20 °C / -4 °F		
<b>Material</b>	Housing: ABS plastic at Ø 40, Ø 50, Ø 63 mm nickel-plated brass at Ø 23 mm stainless steel 1.4301 at capsule gauge	Lens: acrylic glass Connection/Inner parts: brass Seal: NBR/Buna-N at capsule gauge	



Dimensions	Principle	Indicator accuracy	Display range	Order number	Order number
Ø A	R: Bourdon tube K: capsule tube	% FS	bar / mbar	G½	M5 / G¼

Pressure gauge, round		male thread on central back		MA23/40/50	MA23/50/63
23	R	4	0 ... 4 0 ... 6 0 ... 10 0 ... 12 0 ... 16	MA2301-04 MA2301-06 MA2301-10 MA2301-12 MA2301-16	MA23M5-04 MA23M5-06 MA23M5-10 MA23M5-12 MA23M5-16
40	R	2.5	0 ... 1 0 ... 2.5 0 ... 4 0 ... 6 0 ... 10 0 ... 16	MA4001-01 MA4001-02 MA4001-04 MA4001-06 MA4001-10 MA4001-16	
50	R	2.5	0 ... 1 0 ... 2.5 0 ... 4 0 ... 6 0 ... 10 0 ... 16 0 ... 25 0 ... 60	MA5001-01 MA5001-02 MA5001-04 MA5001-06 MA5001-10 MA5001-16	MA5002- 01 MA5002- 02 MA5002- 04 MA5002- 06 MA5002- 10 MA5002- 16 MA5002- 25 MA5002- 60
63	K	1.6	0 ... 60 mbar 0 ... 160 mbar 0 ... 250 mbar 0 ... 400 mbar		MA6302- B6 MA6302- C2 MA6302- C3 MA6302- C4 MA6302- C6
63	R	2.5	0 ... 0,6 bar		
63	R	1.6	-1 ... 0 vac. 0 ... 1 0 ... 2,5 0 ... 4 0 ... 6 0 ... 10 0 ... 16 0 ... 25 0 ... 60 0 ... 100		MA6302- 00 MA6302- 01 MA6302- 02 MA6302- 04 MA6302- 06 MA6302- 10 MA6302- 16 MA6302- 25 MA6302- 60 MA6302-100



MA23M5-10



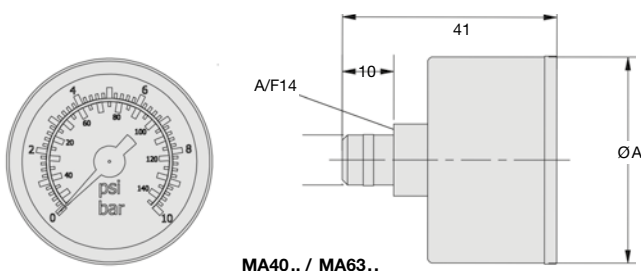
MA5001-16



MA6302-10

## Special options, add the appropriate number

for oxygen      specially cleaned      MA . . . . . 15



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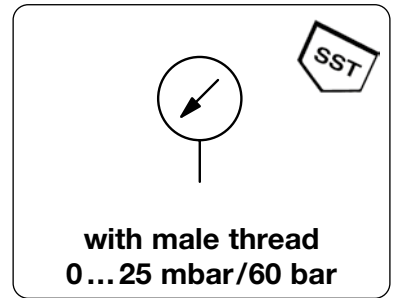


Order example:  
MA2301-04

# STAINLESS STEEL PRESSURE GAUGE WITH MALE THREAD

MS

<b>Description</b>	Pressure gauge with Bourdon tube or capsule, dust-protected and splash-proof. The capsule type gauge features an integrated restrictor against pressure peaks.	
<b>Media</b>	all media compliant with stainless steel, e.g. compressed air, gases or fluids	
<b>Scale</b>	Bourdon tube gauge: white background with black bar scale and red psi scale capsule type gauge: white background with black mbar scale	
<b>Indicator accuracy</b>	1.6% FS	<b>Connection thread</b> G $\frac{1}{8}$ or G $\frac{1}{4}$ , on central back
<b>Temperature range</b>	<b>medium</b>	0 °C to 100 °C / 32 °F to 212 °F for capsule type gauge 0 °C to 200 °C / 32 °F to 392 °F for Bourdon tube gauge for appropriately conditioned compressed air down to -40 °C / -40 °F
	<b>ambient</b>	max. 60 °C / 140 °F
<b>Material</b>	Housing:	stainless steel 1.4301
	Inspection glass:	laminated safety glass at MS63, single strength glass at MS40 and MS50
	Connection:	stainless steel 1.4571 Seal: FKM at capsule gauge

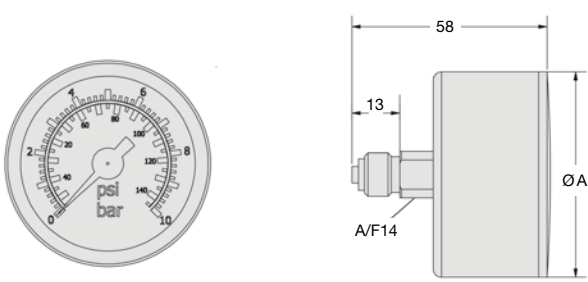


Dimensions	Principle	Indicator accuracy	Display range	Order number	Order number
$\varnothing$ A	R: Bourdon tube	% FS	bar/mbar	G $\frac{1}{8}$	G $\frac{1}{4}$
mm	K: capsule tube				

Pressure gauge		male thread on central back	MS40	MS40/50/63
40	R	1.6	0 ... 2.5	MS4001-02
			0 ... 4	MS4001-04
			0 ... 6	MS4001-06
			0 ... 10	MS4001-10
			0 ... 16	MS4001-16
50	R	1.6	0 ... 2.5	MS5002-02
			0 ... 4	MS5002-04
			0 ... 6	MS5002-06
			0 ... 10	MS5002-10
			0 ... 16	MS5002-16
			0 ... 25	MS5002-25
63	K	1.6	0 ... 25 mbar	MS6302-B2
			0 ... 60 mbar	MS6302-B6
			0 ... 100 mbar	MS6302-C1
			0 ... 160 mbar	MS6302-C2
			0 ... 250 mbar	MS6302-C3
			0 ... 400 mbar	MS6302-C4
			0 ... 600 mbar	MS6302-C6
63	R	1.6	0 ... 1	MS6302-01
			0 ... 2.5	MS6302-02
			0 ... 4	MS6302-04
			0 ... 6	MS6302-06
			0 ... 10	MS6302-10
			0 ... 16	MS6302-16
			0 ... 25	MS6302-25
0 ... 60	MS6302-60			



**Special options,** add the appropriate number  
for oxygen specially cleaned MS . . . . .15



MS

Order example:  
MS4001-02

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