

Pressure gauges

FESTO



Pressure gauges

Product range overview

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Type		Pneumatic connection	Nominal size							Display unit			Red/green range	→ Page/Internet
			15	23	26	27	40	50	63	bar	MPa	psi		
Pressure gauge MA-...-EN		R $\frac{1}{8}$, R $\frac{1}{4}$, G $\frac{1}{4}$	-	-	-	-	■	■	■	■	-	■	-	3
Pressure gauge with red/green range MA-...-RG		R $\frac{1}{8}$, R $\frac{1}{4}$	-	-	-	-	■	■	■	■	■	■	■	6
Pressure gauge MA		M5, R $\frac{1}{8}$, G $\frac{1}{8}$, G $\frac{1}{4}$	-	■	-	■	■	■	■	■	■	■	-	9
Precision pressure gauge MAP		R $\frac{1}{8}$	-	-	-	-	■	-	-	■	-	■	-	13
Pressure gauge MA-...-QS		QS-4, QS-6, QS-8	■	-	-	-	-	-	-	■	-	-	-	14
Flanged pressure gauge FMA-...-EN		G $\frac{1}{4}$	-	-	-	-	■	■	■	■	-	■	-	15
Flanged pressure gauge FMA		G $\frac{1}{4}$	-	-	-	-	-	-	■	■	-	■	-	17
Precision flanged pressure gauge FMAP		G $\frac{1}{4}$	-	-	-	-	-	-	■	■	-	■	-	18
Pressure gauge PAGN		For QSP10	-	-	■	-	■	-	-	■	■	■	-	20

Pressure gauges MA-EN

Technical data

FESTO

Function



Temperature range
-20 ... +60 °C



Technical data					
Nominal size	40			50	63
Pneumatic connection	R $\frac{1}{8}$	R $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
Operating medium	Neutral liquids				
	Neutral gases				
	Not permitted: oxygen				
	Not permitted: acetylene				
Design	Bourdon tube pressure gauge				
Conforms to	EN 837-1				
Type of mounting	Inline installation				
Connection position	Centred, rear side				
Ambient temperature [°C]	-20 ... +60				
Temperature of medium [°C]	-20 ... +60 ¹⁾				
Measurement accuracy class	2.5				
Continuous load factor	0.75				
Intermittent load factor	0.66				
Protection class	IP43				
For MS series service units	MS4	MS4/MS6/MS9/MS12		–	–
Weight [g]	60	70	70	70	80

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials					
Nominal size	40			50	63
Pneumatic connection	R $\frac{1}{8}$	R $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
Housing	Acrylic butadiene styrene (colour: black)				
Inspection window	Polystyrene				
Threaded plug	Brass				
Materials in contact with the medium	Brass				
Note on materials	RoHS-compliant				

Display range						
Nominal size		40			50	63
Pneumatic connection		R $\frac{1}{8}$	R $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
[bar]	[psi]					
0 ... 1	0 ... 14.5	–	–	–	–	■
0 ... 2.5	0 ... 36	–	–	–	■	■
0 ... 6	0 ... 87	–	■	■	–	–
0 ... 10	0 ... 145	■	■	■	■	■
0 ... 16	0 ... 232	■	■	■	■	■
0 ... 25	0 ... 360	■	■	■	–	–

Pressure gauges MA-EN

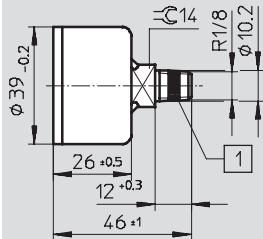
Technical data

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Dimensions

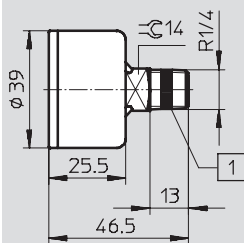
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MA-40, R $\frac{1}{8}$



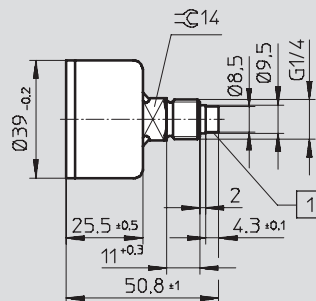
1 PTFE seal with
MA-40-25- $\frac{1}{8}$ -EN

MA-40, R $\frac{1}{4}$



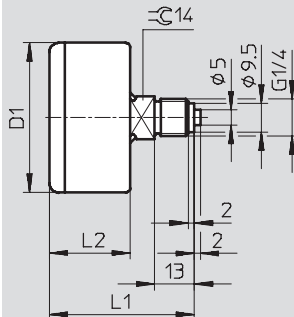
1 PTFE seal

MA-40, G $\frac{1}{4}$



1 With pre-assembled PTFE
sealing ring

MA-50/63, G $\frac{1}{4}$



Type	D1 Ø	L1	L2
MA-50	49	47.5	26.5
MA-63	61.5	48.5	27.5

Pressure gauges MA-EN

Technical data

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Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No. Type
			[bar]	[psi]	
40	R $\frac{1}{8}$	0 ... 10 bar	0 ... 10	0 ... 145	162835 MA-40-10-R $\frac{1}{8}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	162836 MA-40-16-R $\frac{1}{8}$ -EN
		0 ... 25 bar	0 ... 25	0 ... 360	526167 MA-40-25-R $\frac{1}{8}$ -EN
	R $\frac{1}{4}$	0 ... 6 bar	0 ... 6	0 ... 87	187078 MA-40-6-R $\frac{1}{4}$ -EN
		0 ... 10 bar	0 ... 10	0 ... 145	187079 MA-40-10-R $\frac{1}{4}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	187080 MA-40-16-R $\frac{1}{4}$ -EN
		0 ... 25 bar	0 ... 25	0 ... 360	187081 MA-40-25-R $\frac{1}{4}$ -EN
	G $\frac{1}{4}$	0 ... 6 bar	0 ... 6	0 ... 87	183899 MA-40-6-G $\frac{1}{4}$ -EN
		0 ... 10 bar	0 ... 10	0 ... 145	183900 MA-40-10-G $\frac{1}{4}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	183901 MA-40-16-G $\frac{1}{4}$ -EN
		0 ... 25 bar	0 ... 25	0 ... 360	183902 MA-40-25-G $\frac{1}{4}$ -EN
50	G $\frac{1}{4}$	0 ... 2.5 bar	0 ... 2.5	0 ... 36	162837 MA-50-2,5-G $\frac{1}{4}$ -EN
		0 ... 10 bar	0 ... 10	0 ... 145	162838 MA-50-10-G $\frac{1}{4}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	162839 MA-50-16-G $\frac{1}{4}$ -EN
63	G $\frac{1}{4}$	0 ... 1 bar	0 ... 1	0 ... 14.5	162844 MA-63-1-G $\frac{1}{4}$ -EN
		0 ... 2.5 bar	0 ... 2.5	0 ... 36	162845 MA-63-2,5-G $\frac{1}{4}$ -EN
		0 ... 10 bar	0 ... 10	0 ... 145	162840 MA-63-10-G $\frac{1}{4}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	162841 MA-63-16-G $\frac{1}{4}$ -EN

Pressure gauges MA-RG, with red/green range

FESTO

Technical data

Function



Temperature range
-20 ... +60 °C



The adjustable red/green range provides additional safety when monitoring compressed air.

With the two red segments above the pressure gauge scale along with the printed green segment it is possible to

individually limit the desired pressure range. This coloured demarcation enables you to recognise immediately

whether or not the pressure is in the permitted tolerance range.

Technical data			
Nominal size	40	50	63
Pneumatic connection	R $\frac{1}{8}$	R $\frac{1}{4}$	R $\frac{1}{4}$
Operating medium	Neutral liquids		
	Neutral gases		
	Not permitted: oxygen		
	Not permitted: acetylene		
Design	Bourdon tube pressure gauge		
Conforms to	EN 837-1		
Type of mounting	Inline installation		
Connection position	Centred, rear side		
Ambient temperature [°C]	-20 ... +60		
Temperature of medium [°C]	-20 ... +60 ¹⁾		
Measurement accuracy class	2.5		
Continuous load factor	0.75		
Intermittent load factor	0.66		
Protection class	IP43		
For MS series service units	MS4	MS4/MS6/MS9/MS12	–
Weight [g]	60	75	90

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials	
Housing	Acrylic butadiene styrene (colour: black)
Inspection window	Polymethyl methacrylate
Threaded plug/ materials in contact with the medium	Brass
Note on materials	RoHS-compliant

Pressure gauges MA-RG, with red/green range

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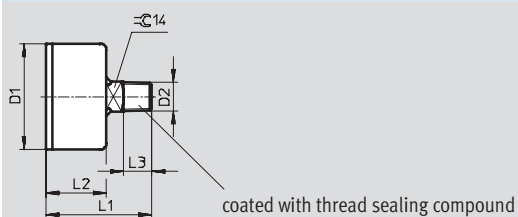
Technical data

Display range			
Nominal size	40	50	63
Pneumatic connection	R $\frac{1}{8}$	R $\frac{1}{4}$	R $\frac{1}{4}$
[bar]			
0 ... 2.5	■	■	■
0 ... 10	■	■	■
0 ... 16	■	■	■
[MPa]			
0 ... 0.25	–	■	■
0 ... 1	■	■	■
0 ... 1.6	■	■	■
[psi]			
0 ... 36	–	■	■
0 ... 145	■	■	■
0 ... 232	■	■	■

Dimensions

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MA-...-E-RG



Type	D1 Ø ±0.5	D2	L1 ±1	L2 ±0.5	L3
MA-40-...-E-RG	39	R $\frac{1}{8}$	46	28	10
MA-50-...-E-RG	49	R $\frac{1}{4}$	49	28	13
MA-63-...-E-RG	61.5	R $\frac{1}{4}$	50.5	29.5	13

Pressure gauges MA-RG, with red/green range

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Technical data

Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range	Part No.	Type
Display unit [bar]					
40	R1/8	0 ... 2.5 bar	0 ... 2.5	546963	MA-40-2,5-R1/8-E-RG
		0 ... 10 bar	0 ... 10	525725	MA-40-10-R1/8-E-RG
		0 ... 16 bar	0 ... 16	525726	MA-40-16-R1/8-E-RG
50	R1/4	0 ... 2.5 bar	0 ... 2.5	525727	MA-50-2,5-R1/4-E-RG
		0 ... 10 bar	0 ... 10	525728	MA-50-10-R1/4-E-RG
		0 ... 16 bar	0 ... 16	525729	MA-50-16-R1/4-E-RG
63	R1/4	0 ... 2.5 bar	0 ... 2.5	525730	MA-63-2,5-R1/4-E-RG
		0 ... 10 bar	0 ... 10	525731	MA-63-10-R1/4-E-RG
		0 ... 16 bar	0 ... 16	525732	MA-63-16-R1/4-E-RG
Display unit [MPa]					
40	R1/8	0 ... 1 MPa	0 ... 1	526778	MA-40-1,0-R1/8-MPA-E-RG
		0 ... 1.6 MPa	0 ... 1.6	526779	MA-40-1,6-R1/8-MPA-E-RG
50	R1/4	0 ... 0.25 MPa	0 ... 0.25	526780	MA-50-0,25-R1/4-MPA-E-RG
		0 ... 1 MPa	0 ... 1	526781	MA-50-1,0-R1/4-MPA-E-RG
		0 ... 1.6 MPa	0 ... 1.6	526782	MA-50-1,6-R1/4-MPA-E-RG
63	R1/4	0 ... 0.25 MPa	0 ... 0.25	526783	MA-63-0,25-R1/4-MPA-E-RG
		0 ... 1 MPa	0 ... 1	526784	MA-63-1,0-R1/4-MPA-E-RG
		0 ... 1.6 MPa	0 ... 1.6	526785	MA-63-1,6-R1/4-MPA-E-RG
Display unit [psi]					
40	R1/8	0 ... 145 psi	0 ... 145	526786	MA-40-145-R1/8-PSI-E-RG
		0 ... 232 psi	0 ... 232	526787	MA-40-232-R1/8-PSI-E-RG
50	R1/4	0 ... 36 psi	0 ... 36	526788	MA-50-36-R1/4-PSI-E-RG
		0 ... 145 psi	0 ... 145	526789	MA-50-145-R1/4-PSI-E-RG
		0 ... 232 psi	0 ... 232	526790	MA-50-232-R1/4-PSI-E-RG
63	R1/4	0 ... 36 psi	0 ... 36	526791	MA-63-36-R1/4-PSI-E-RG
		0 ... 145 psi	0 ... 145	526792	MA-63-145-R1/4-PSI-E-RG
		0 ... 232 psi	0 ... 232	526793	MA-63-232-R1/4-PSI-E-RG

Pressure gauges MA

Technical data

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Function



Temperature range
-20 ... +60 °C



Technical data							
Nominal size	23	27	40	50	63		
Pneumatic connection	R $\frac{1}{8}$	M5	R $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
Operating medium	Neutral liquids						–
	Neutral gases						
	Not permitted: oxygen						
	Not permitted: acetylene						
Design	Bourdon tube pressure gauge						Capsule pressure gauge
Conforms to	EN 837-1						EN 837-3
Type of mounting	Inline installation						
Connection position	Centred, rear side						
Ambient temperature [°C]	-20 ... +60	0 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Temperature of medium [°C]	-20 ... +60 ¹⁾	0 ... +60	-20 ... +60 ¹⁾	-20 ... +60 ¹⁾	-20 ... +60 ¹⁾	-20 ... +60 ¹⁾	-20 ... +60 ¹⁾
Measurement accuracy class	5	4	2.5	1.6	0.75	0.6	0.4
Continuous load factor	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Intermittent load factor	0.6	0.66	0.66	0.66	0.66	0.66	0.66
Protection class	IP44	IP43	IP43	IP43	IP43	IP43	IP43
For D series service units	–	MICRO	–	MINI	–	MIDI/MAXI	–
Weight [g]	27	11	8	60	70	70	180

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials							
Nominal size	23	27		40		50	63
Pneumatic connection	R $\frac{1}{8}$	M5	R $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
Housing	Brass (colour: black)	Polyamide (colour: black)		Acrylic butadiene styrene (colour: black)			Steel
Inspection window	Polycarbonate	Polystyrene		Polystyrene			Polymethyl methacrylate
Threaded plug/ materials in contact with the medium	Brass	Brass	Reinforced polyamide	Brass			Brass
Note on materials	RoHS-compliant						

Pressure gauges MA

Technical data

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Display range								
Nominal size		23	27		40		50	63
Pneumatic connection		R $\frac{1}{8}$	M5	R $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
[bar]	[psi]							
0 ... 0.25	0 ... 3.6	–	–	–	–	–	–	■
0 ... 6	0 ... 87	■	–	–	–	–	–	–
0 ... 10	0 ... 145	■	–	–	■	–	■	–
0 ... 16	0 ... 232	■	–	■	■	–	■	–
0 ... 25	0 ... 360	–	–	■	–	–	–	–
[bar]								
0 ... 10		–	■	–	–	–	–	–
[MPa]								
0 ... 0.6		–	–	–	–	■	–	–
0 ... 1		–	■	–	■	■	■	–
0 ... 1.6		–	–	–	■	■	■	–
0 ... 2.5		–	–	–	–	■	–	–
[psi]								
0 ... 160		–	■	–	–	–	–	–

Pressure gauges MA

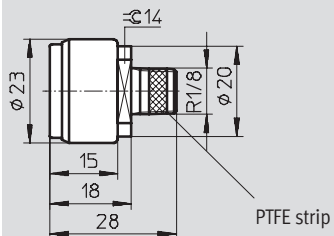
Technical data

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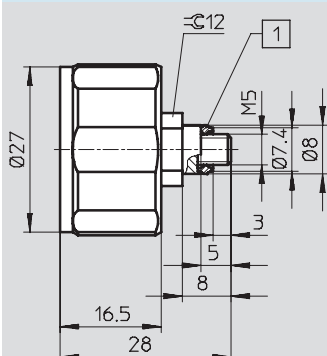
Dimensions

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MA-23

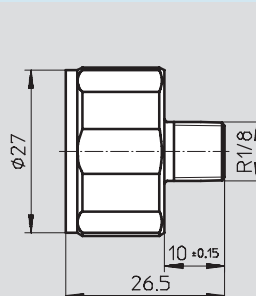


MA-27, M5

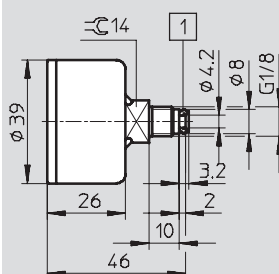


1 With pre-assembled polyamide sealing ring

MA-27, R1/8

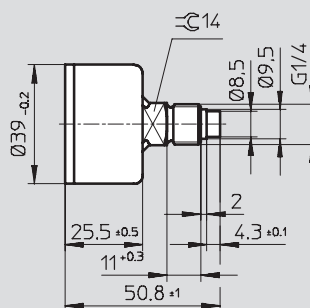


MA-40, G1/8

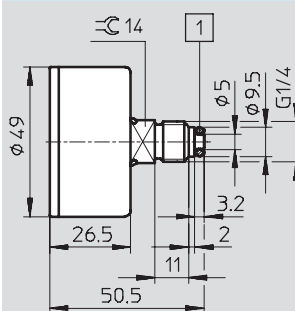


1 With pre-assembled aluminium sealing ring with MA-40-...-G1/8-MPA

MA-40, G1/4

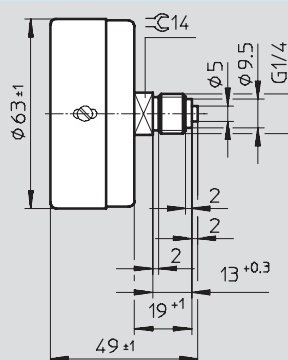


MA-50



1 With pre-assembled aluminium sealing ring with MA-50-...-G1/4-MPA

MA-63



Pressure gauges MA

Technical data

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Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No. Type
			[bar]	[psi]	
23	R1/8	0 ... 6 bar	0 ... 6	0 ... 87	183896 MA-23-6-R1/8
		0 ... 10 bar	0 ... 10	0 ... 145	183897 MA-23-10-R1/8
		0 ... 16 bar	0 ... 16	0 ... 232	183898 MA-23-16-R1/8
27	R1/8	0 ... 16 bar	0 ... 16	0 ... 232	541733 MA-27-16-R1/8
		0 ... 25 bar	0 ... 25	0 ... 360	541734 MA-27-25-R1/8
40	G1/8	0 ... 10 bar	0 ... 10	0 ... 145	359874 MA-40-10-1/8
		0 ... 16 bar	0 ... 16	0 ... 232	345395 MA-40-16-1/8
50	G1/4	0 ... 10 bar	0 ... 10	0 ... 145	359873 MA-50-10-1/4
		0 ... 16 bar	0 ... 16	0 ... 232	356759 MA-50-16-1/4
63	G1/4	0 ... 0.25 bar	0 ... 0.25	0 ... 3.6	7169 MA-63-0,25

Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range	Part No.	Type
Display unit [bar]					
27	M5	0 ... 10 bar	0 ... 10	526323	MA-27-10-M5
Display unit [MPa]					
27	M5	0 ... 1 MPa	0 ... 1	526324	MA-27-1,0-M5-MPA
40	G1/8	0 ... 1 MPa	0 ... 1	192732	MA-40-1-G1/8-MPA
		0 ... 1.6 MPa	0 ... 1.6	192733	MA-40-1,6-G1/8-MPA
	G1/4	0 ... 0.6 MPa	0 ... 0.6	184285	MA-40-0,6-G1/4-MPA
		0 ... 1 MPa	0 ... 1	184286	MA-40-1,0-G1/4-MPA
		0 ... 1.6 MPa	0 ... 1.6	184287	MA-40-1,6-G1/4-MPA
		0 ... 2.5 MPa	0 ... 2.5	184288	MA-40-2,5-G1/4-MPA
50	G1/4	0 ... 1 MPa	0 ... 1	192734	MA-50-1-G1/4-MPA
		0 ... 1.6 MPa	0 ... 1.6	192735	MA-50-1,6-G1/4-MPA
Display unit [psi]					
27	M5	0 ... 160 psi	0 ... 160	527405	MA-27-160-M5-PSI

Precision pressure gauges MAP

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Technical data

Function



Temperature range
-20 ... +60 °C



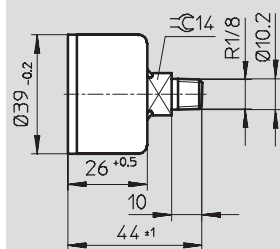
Technical data	
Nominal size	40
Pneumatic connection	R $\frac{1}{8}$
Operating medium	Neutral liquids
	Neutral gases
	Not permitted: oxygen
	Not permitted: acetylene
Design	Bourdon tube pressure gauge
Conforms to	EN 837-1
Type of mounting	Inline installation
Connection position	Centred, rear side
Ambient temperature [°C]	-20 ... +60
Temperature of medium [°C]	-20 ... +60 ¹⁾
Measurement accuracy class	1.6
Continuous load factor	0.75
Intermittent load factor	0.66
Protection class	IP43
Weight [g]	60

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials	
Housing	Acrylic butadiene styrene (colour: black)
Inspection window	Polystyrene
Threaded plug/ materials in contact with the medium	Brass
Note on materials	RoHS-compliant

Dimensions

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Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No. Type
			[bar]	[psi]	
40	R $\frac{1}{8}$	0 ... 1 bar	0 ... 1	0 ... 15	161126 MAP-40-1- $\frac{1}{8}$ -EN
		0 ... 4 bar	0 ... 4	0 ... 58	162842 MAP-40-4- $\frac{1}{8}$ -EN
		0 ... 6 bar	0 ... 6	0 ... 87	161127 MAP-40-6- $\frac{1}{8}$ -EN
		0 ... 16 bar	0 ... 16	0 ... 232	161128 MAP-40-16- $\frac{1}{8}$ -EN

Pressure gauges MA-QS

Technical data

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Function



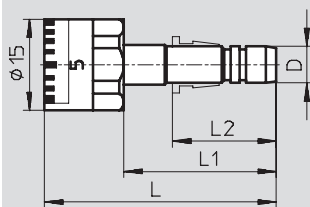
Temperature range
-20 ... +60 °C



Technical data			
Nominal size	15		
Pneumatic connection	QS-4	QS-6	QS-8
Operating medium	Neutral liquids		
	Neutral gases		
	Not permitted: oxygen		
	Not permitted: acetylene		
Design	Bourdon tube pressure gauge without measuring mechanism		
Conforms to	EN 837-1		
Type of mounting	Inline installation		
Connection position	Centred, rear side		
Ambient temperature [°C]	-20 ... +60		
Temperature of medium [°C]	-20 ... +60		
Measurement accuracy class	5		
Continuous load factor	0.75		
Intermittent load factor	0.66		
Protection class	IP53		
Weight [g]	10		

Materials	
Housing	Steel (colour: black)
Inspection window	Polycarbonate
Threaded plug/ materials in contact with the medium	Brass
Note on materials	RoHS-compliant

Dimensions Download CAD Data → www.festo.com/us/cad



Dimensions and ordering data							
Nominal size	Pneumatic connection D	L	L1	L2	Operating pressure	Display range [bar]	Part No. Type
15	QS-4	36	23	15	0 ... 10 bar	0 ... 10	153383 MA-15-10-QS-4
	QS-6	38	25	17	0 ... 10 bar	0 ... 10	153384 MA-15-10-QS-6
	QS-8	34	21	18.5	0 ... 10 bar	0 ... 10	153385 MA-15-10-QS-8

Flanged pressure gauges FMA-EN

Technical data

FESTO

Function



Temperature range
-20 ... +60 °C



Technical data			
Nominal size	40	50	63
Pneumatic connection	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
Operating medium	Neutral liquids		
	Neutral gases		
	Not permitted: oxygen		
	Not permitted: acetylene		
Design	Bourdon tube pressure gauge		
Conforms to	EN 837-1		
Type of mounting	Front panel mounting		
Connection position	Centred, rear side		
Ambient temperature [°C]	-20 ... +60		
Temperature of medium [°C]	-20 ... +60 ¹⁾		
Measurement accuracy class	2.5		
Continuous load factor	0.75		
Intermittent load factor	0.66		
Protection class	IP43		
Weight [g]	80	100	120

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials	
Housing	Acrylic butadiene styrene (colour: black)
Inspection window	Styrene acrylonitrile copolymer
Mounting ring	Steel
Threaded plug/ materials in contact with the medium	Brass
Note on materials	RoHS-compliant

Display range			
Nominal size	40	50	63
Pneumatic connection	G $\frac{1}{4}$	G $\frac{1}{4}$	G $\frac{1}{4}$
[bar]	[psi]		
0 ... 2.5	0 ... 36	—	■
0 ... 10	0 ... 145	■	■
0 ... 16	0 ... 232	■	■

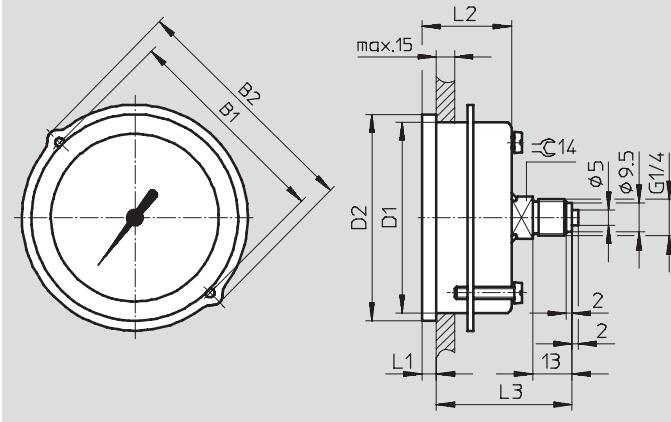
Flanged pressure gauges FMA-EN

Technical data

FESTO

Dimensions

Download CAD Data → www.festo.com/us/cad



Type	B1	B2	D1 Ø	D2 Ø	L1	L2	L3
FMA-40	48	56	40	45	4.5	26.5	43
FMA-50	57	66	49.5	54	4.5	26.8	43.3
FMA-63	70	79	63	68	4.8	29.5	42.5

Ordering data

Nominal size	Pneumatic connection	Operating pressure	Display range		Part No.	Type
			[bar]	[psi]		
40	G1/4	0 ... 10 bar	0 ... 10	0 ... 145	159596	FMA-40-10-1/4-EN
		0 ... 16 bar	0 ... 16	0 ... 232	159597	FMA-40-16-1/4-EN
50	G1/4	0 ... 2.5 bar	0 ... 2.5	0 ... 36	159598	FMA-50-2,5-1/4-EN
		0 ... 10 bar	0 ... 10	0 ... 145	159599	FMA-50-10-1/4-EN
		0 ... 16 bar	0 ... 16	0 ... 232	159600	FMA-50-16-1/4-EN
63	G1/4	0 ... 2.5 bar	0 ... 2.5	0 ... 36	159601	FMA-63-2,5-1/4-EN
		0 ... 10 bar	0 ... 10	0 ... 145	159602	FMA-63-10-1/4-EN
		0 ... 16 bar	0 ... 16	0 ... 232	159603	FMA-63-16-1/4-EN

Flanged pressure gauges FMA

Technical data

FESTO

Function



Temperature range
-20 ... +60 °C

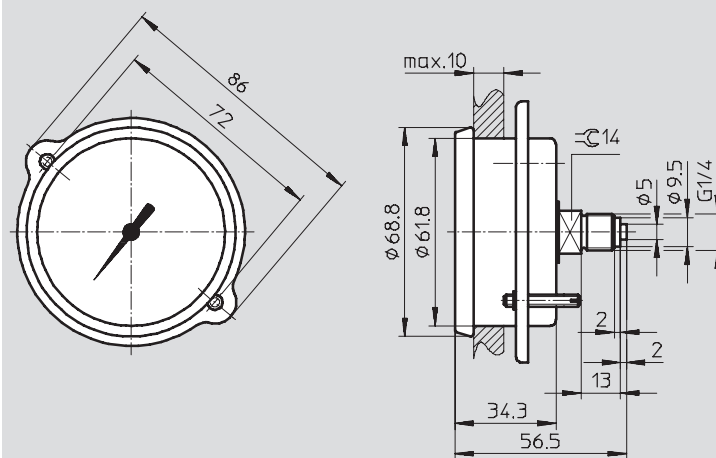


Technical data	
Nominal size	63
Pneumatic connection	G $\frac{1}{4}$
Operating medium	Liquid media
	Gaseous media
	Not permitted: oxygen
	Not permitted: acetylene
Design	Capsule pressure gauge
Conforms to	EN 837-3
Type of mounting	Front panel mounting
Connection position	Centred, rear side
Ambient temperature [°C]	-20 ... +60
Temperature of medium [°C]	-20 ... +80
Measurement accuracy class	1.6
Continuous load factor	0.75
Intermittent load factor	0.9
Protection class	IP43
Weight [g]	120

Materials	
Housing	Steel
Inspection window	Polymethyl methacrylate
Mounting ring/screws	Steel
Threaded plug	Brass

Dimensions

Download CAD Data → www.festo.com/us/cad



Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No. Type
			[bar]	[psi]	
63	G $\frac{1}{4}$	0 ... 0.25 bar	0 ... 0.25	0 ... 3.6	225783 FMA-63-0,25-C

Precision flanged pressure gauges FMAP

Technical data

FESTO

Function



Temperature range
-20 ... +60 °C



Technical data	
Nominal size	63
Pneumatic connection	G1/4
Operating medium	Neutral liquids
	Neutral gases
	Not permitted: oxygen
	Not permitted: acetylene
Design	Bourdon tube pressure gauge
Conforms to	EN 837-1
Type of mounting	Front panel mounting
Connection position	Centred, rear side
Ambient temperature [°C]	-20 ... +60
Temperature of medium [°C]	-20 ... +60 ¹⁾
Measurement accuracy class	1.0
Continuous load factor	0.75
Intermittent load factor	0.66
Protection class	IP43
Weight [g]	120

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials	
Housing	Acrylic butadiene styrene (colour: black)
Inspection window	Styrene acrylonitrile copolymer
Mounting ring	Steel
Threaded plug/ materials in contact with the medium	Brass
Note on materials	RoHS-compliant

Dimensions	Download CAD Data → www.festo.com/us/cad

Precision flanged pressure gauges FMAP

Technical data

FESTO

Ordering data					
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No. Type
			[bar]	[psi]	
63	G $\frac{1}{4}$	0 ... 1 bar	0 ... 1	0 ... 15	161129 FMAP-63-1-$\frac{1}{4}$-EN
		0 ... 4 bar	0 ... 4	0 ... 58	162843 FMAP-63-4-$\frac{1}{4}$-EN
		0 ... 6 bar	0 ... 6	0 ... 87	161130 FMAP-63-6-$\frac{1}{4}$-EN
		0 ... 16 bar	0 ... 16	0 ... 232	161131 FMAP-63-16-$\frac{1}{4}$-EN

Pressure gauges PAGN

Technical data

FESTO

Function



Temperature range
-20 ... +60 °C



Technical data		
Nominal size	26	40
Pneumatic connection	For QSP10	For QSP10
Operating medium	Neutral liquids	
	Neutral gases	
	Not permitted: oxygen	
	Not permitted: acetylene	
Design	Bourdon tube pressure gauge	
Conforms to	EN 837-1	
Type of mounting	Inline installation	
Connection position	Centred, rear side	
Ambient temperature [°C]	-20 ... +60	
Temperature of medium [°C]	-20 ... +60 ¹⁾	
Measurement accuracy class	4.0	2.5
Continuous load factor	0.75	
Intermittent load factor	0.66	
Protection class	IP43	
	NEMA 4	
Weight [g]	15	50

1) With a media temperature below 0 °C, the operating medium should be dry.

Materials		
Housing	Polyamide (colour: black)	Acrylic butadiene styrene (colour: black)
Inspection window	Polystyrene	
Threaded plug/ materials in contact with the medium	Brass	
Note on materials	RoHS-compliant	

Dimensions		Download CAD Data → www.festo.com/us/cad
PAGN-26	PAGN-40	
1 Sealing ring		

Pressure gauges PAGN

Technical data

FESTO

Ordering data						
Nominal size	Pneumatic connection	Operating pressure	Display range		Part No.	Type
			Outer scale	Inner scale		
Outer scale in bar, inner scale in psi						
26	For QSP10	0 ... 10 bar	0 ... 10 bar	0 ... 145 psi	543488	PAGN-26-10-P10
		0 ... 16 bar	0 ... 16 bar	0 ... 232 psi	543487	PAGN-26-16-P10
40	For QSP10	0 ... 10 bar	0 ... 10 bar	0 ... 145 psi	548009	PAGN-40-10-P10
		0 ... 16 bar	0 ... 16 bar	0 ... 232 psi	548010	PAGN-40-16-P10
Outer scale in psi, inner scale in bar						
26	For QSP10	0 ... 145 psi	0 ... 145 psi	0 ... 10 bar	563732	PAGN-26-145P-P10 
		0 ... 232 psi	0 ... 232 psi	0 ... 16 bar	563731	PAGN-26-232P-P10 
40	For QSP10	0 ... 145 psi	0 ... 145 psi	0 ... 10 bar	563734	PAGN-40-145P-P10 
		0 ... 232 psi	0 ... 232 psi	0 ... 16 bar	563733	PAGN-40-232P-P10 
Outer scale in MPa						
26	For QSP10	0 ... 1 MPa	0 ... 1 MPa	—	563736	PAGN-26-1M-P10 
		0 ... 1.6 MPa	0 ... 1.6 MPa	—	563735	PAGN-26-1.6M-P10 
40	For QSP10	0 ... 1 MPa	0 ... 1 MPa	—	563738	PAGN-40-1M-P10 
		0 ... 1.6 MPa	0 ... 1.6 MPa	—	563737	PAGN-40-1.6M-P10 

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