

M1-ABS/FE

Bourdon tube pressure gauges

Technical Data Sheet



Description

Dry plastic case bottom entry. For general industry, gases and liquids not viscous, not aggressive and not crystallising.



M1-ABS 40/FE

DN40 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	-1/0 bar/inHg	R1/8		200/200	200
PZFEA110117LF	0-1 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA110217LF	0-1.6 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA120317LF	0-2.5 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA120417LF	0-4 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA120617LF	0-6 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA121017LF	0-10 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA121217LF	0-12 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA121617LF	0-16 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA122017LF	0-20 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA122517LF	0-25 bar/psi	R1/8	D+LW+QEN	200/10	10
PZFEA124017LF	0-40 bar/psi	R1/8	D+LW+QEN	200/10	10



M1-ABS 50/FE

DN50 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
PZFEA219918LF	-1/0 bar/inHg	R1/4	D+LW+QEN	100/10	10
PZFEA210118LF	0-1 bar/psi	R1/4	D+LW+QEN	100/10	10
	0-1.6 bar/psi	R1/4		100/100	100
PZFEA220318LF	0-2.5 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA220418LF	0-4 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA220618LF	0-6 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA221018LF	0-10 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA221218LF	0-12 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA221618LF	0-16 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA222018LF	0-20 bar/psi	R1/4	D+LW+QEN	100/10	10
	0-25 bar/psi	R1/4		100/100	100
PZFEA220617LF	0-6 bar/psi	R1/8	D+LW+QEN	100/10	10
PZFEA221017LF	0-10 bar/psi	R1/8	D+LW+QEN	100/10	10
PZFEA221217LF	0-12 bar/psi	R1/8	D+LW+QEN	100/10	10



M1-ABS 63/FE

DN63 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
PZFEA319918LF	-1/0 bar/inHg	R1/4	D+LW+QEN	100/10	10
PZFEA310118LF	0-1 bar/inHg	R1/4	D+LW+QEN	100/10	10
PZFEA310218LF	0-1.6 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA320318LF	0-2.5 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA320418LF	0-4 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA320618LF	0-6 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA321018LF	0-10 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA321218LF	0-12 bar/psi	R1/4	D+LW+QEN	100/100	10
PZFEA321618LF	0-16 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA322018LF	0-20 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA322518LF	0-25 bar/psi	R1/4	D+LW+QEN	100/10	10
PZFEA324018LF	0-40 bar/psi	R1/4	D+LW+QEN	100/10	10

*Options included

D = Dual scale bar/psi (black/red)

LW = Watts logo on the dial

EN = Dial according to EN-837-1

Customizations per minimum order quantity

Customizations	Model
Customized dials, other scale ranges or connections on request	M1-ABS/FE 40/50/63

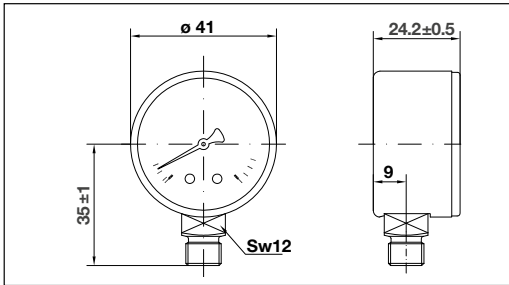
Features

Materials	
Case	Black plastic
Window	Clear plastic
Dial	Aluminium
Pointer	Aluminium
Pressure connection	Cu-alloy, 12 mm flats (DN 40) - 14 mm (\geq DN 50) flats
Pressure element	Bourdon tube Cu-alloy, soft soldered \leq 60 bar C-type, > 60 bar helical type Sn-Ag soldered
Movement	Cu-alloy

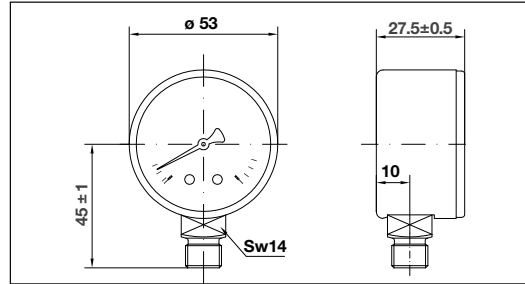
Technical features	
Design	EN 837-1
Working pressure	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value
Temperature limits	Ambient: -40 ... +60 °C Medium: +60 °C maximum Storage: -40 ... +60 °C
Temperature effect	Deviation from reference temperature (+20°C): $\pm 0,04\%/1K$ of the span
Accuracy class	CI 2.5
Degree of protection	IP 31 per EN 60 529 / IEC 529
Individual weight:	
M1-ABS 40	0.042 kg
M1-ABS 50	0.073 kg
M1-ABS 63	0.089 kg

Overall dimensions (mm)

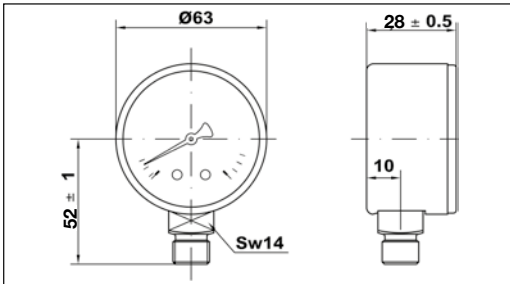
M1-ABS 40/FE



M1-ABS 50/FE



M1-ABS 63/FE



Specification text

Bourdon tube pressure gauges **M1-ABS/FE Series** - brand WATTS - for general industry, gases and liquids not viscous, not aggressive and not crystallising. Dry **plastic case** DN 40-50-63 mm **bottom entry**. Vacuum measures range -1/0, high pressure up to 400 bar. Temperature limits + 60°C. Accuracy class 2.5.

Compliant with EN 837-1.

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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