

Bourdon tube pressure gauges // Industrial version // Types MRE and MRE-g



Type MRE-g

Your advantages

Type	MRE / MRE-g
	<ul style="list-style-type: none"> • Suitable for outdoor use - Closed system • Case complete stainless steel • Without electrical auxiliary power

Technical data

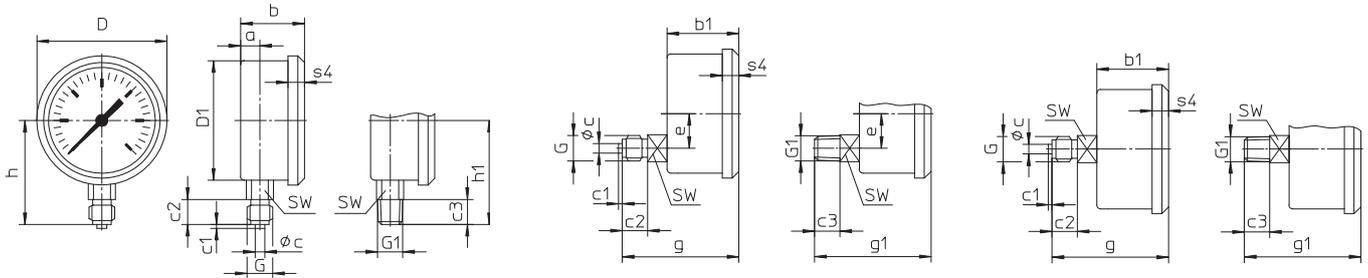
Type	MRE / MRE-g
Version	Bayonet ring case or crimped-on ring case
Nominal size	63 mm
Accuracy	EN 837-1, class 1.6 and class 2.5 (for display ranges 0...600 bar and 0...1000 bar)
Medium / Application	Liquid and gaseous media
Process connection	Thread see table , brass, optional stainless steel
Measurement system	Bourdon spring bronze, optional stainless steel
Degree of protection according to EN 60529	IP54 (IP65 for filled cases with closed pressure compensation insert)
Ambient temperature	-40 to 60 °C [-20 to 60 °C with case filling]
Storage temperature	-40 to 70 °C [-20 to 70 °C with case filling]
Medium temperature	Devices with brass connection max. 60 °C Devices with stainless steel connection max. 200 °C (max. 100 °C with case filling)
Nominal use temperature	20 °C*
Pressure load capacity	Of full-scale value
→ Resting load	75 %
→ Dynamic load	65 %
→ Overload	Max.
Approvals	

* The pressure gauges are calibrated at a reference temperature of 20 °C. At other operating temperatures the maximum indication error is ± 0.4 % of full scale value per 10 °C difference in accordance with EN 837-1.

Types and dimensions – crimped-on ring case

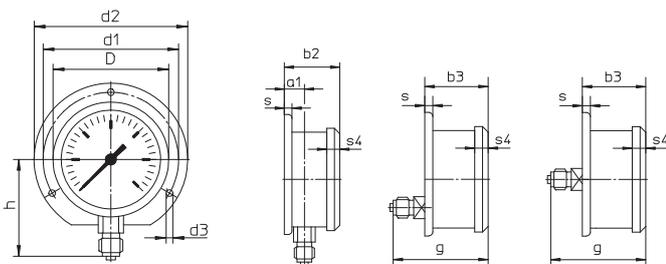
Without mounting flange

Bottom connection, lower back connection or central back connection



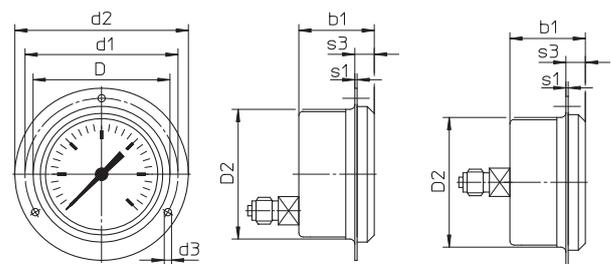
With rear flange

Bottom connection, lower back connection* or central back* connection



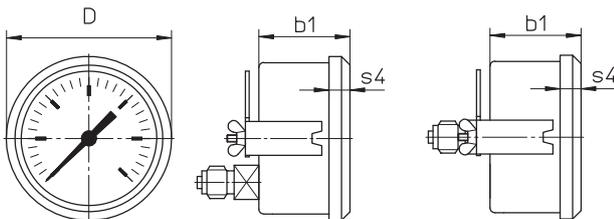
With front flange**

Lower back connection or central back connection



With u-clamp***

Lower back connection or central back connection



* Versions available on request, but not recommended by EN 837-1

** Recommended panel cut out $\varnothing 67 \pm 0.3$ mm

*** Recommended panel cut out $\varnothing 64 \pm 0.3$ mm

Dimensions [mm]

NS	D	D1	D2	a	a1	b	b1	b2	b3	c	c1	c2	c3	d1	d2
63	67	62	64	10	13	33	37	36	40	5	2	13	13	75	85

Dimensions [mm]

NS	d3	e	G	G1	g	g1	h ^{±1}	h1 ^{±1}	s	s1	s3	s4	SW	Weight [kg] (approx.)*	
														unfilled	filled
63	3.6	18	G $\frac{1}{4}$ B M12 x 1.5	$\frac{1}{4}$ NPT	60	60	54	54	5	1	9.5	8.5	14	0.18	0.25

* Data applies to versions without mounting flange

Order code									
Bourdon tube pressure gauges, industrial version									
Bayonet ring case									MRE
Crimped-on ring case									MREG
Nominal size									
63 mm									1
Connection thread									
G $\frac{1}{4}$ B bottom									1
G $\frac{1}{4}$ B lower back connection									2
G $\frac{1}{4}$ B central back connection									5
$\frac{1}{4}$ NPT bottom									M
$\frac{1}{4}$ NPT lower back connection									N
$\frac{1}{4}$ NPT central back connection									S
M12 x 1.5 bottom									3
M12 x 1.5 lower back connection									4
M12 x 1.5 central back connection									6
Connection material									
Brass									1
Stainless steel									3
Display ranges									
-1...0 bar									315
-1...0.6 bar									505
-1...1.5 bar									515
-1...3 bar									525
-1...5 bar									535
-1...9 bar									545
-1...15 bar									555
0...0.6 bar									015
0...1 bar									025
0...1.6 bar									035
0...2.5 bar									045
0...4 bar									055
0...6 bar									065
0...10 bar									075
0...16 bar									085
0...25 bar									095
0...40 bar									105
0...60 bar									115
0...100 bar									125
0...160 bar									135
0...250 bar									145
0...400 bar									155
0...600 bar									165
0...1000 bar									175
only with crimped-on ring case (connection material stainless steel)									
Mounting flange									
None									0
Rear flange									1
Front flange									2
U-clamp									3
only with crimped-on ring case									
Options									
None									0
Filled case									
Unfilled case									0
Filled case (glycerine)									G
Example order number									
	MRE	1	1	1	315	0	0	0	