Bourdon tube pressure gauges // Marine version

Type MRE-M



Type MRE-M

Highlights

- Suitable for outdoor use - Closed system
- Case complete stainless steel
- Without electrical auxiliary power

Technical data		
Type	MRE-M	
Version	Crimped-on ring case	
Nominal size	63 mm, 100 mm	
Accuracy acc. EN 13190	EN 837-1, class 1.6 (nominal size 63 mm) and class 1 (nominal size 100 mm)	
Medium / Application	Liquid and gaseous media	
Process connection	Thread see table, brass	
Measurement system	Bourdon spring bronze	
Degree of protection according to EN 60529	IP65	
Ambient temperature	-20 to 60 °C with case filling	
Storage temperature	-20 to 60 °C with case filling	
Nominal use temperature acc. EN 13190	20 °C	
Pressure load capacity	**Of full-scale value**	
	Nominal size 63 mm	Nominal size 100 mm
→ **Resting load** → **Dynamic load** → **Overload**	75 % 65 % Max. 100 %	100 % 90 % 130 %

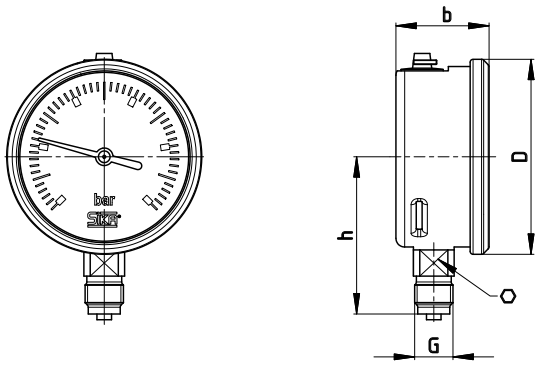
* The pressure gauges are calibrated at a reference temperature of 20 °C. At other operating temperatures the maximum indication error is ±0.4 % of full scale value per 10 °C difference in accordance with EN 837-1.

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Types and dimensions

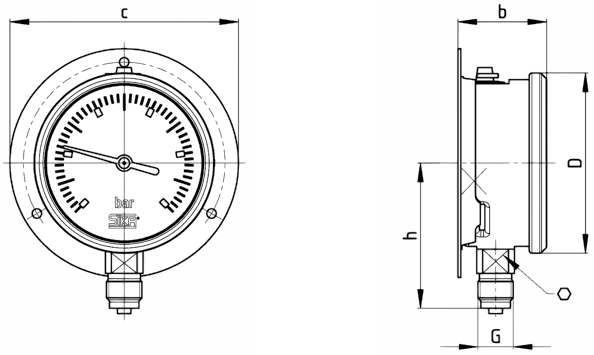
Without mounting flange

Bottom connection



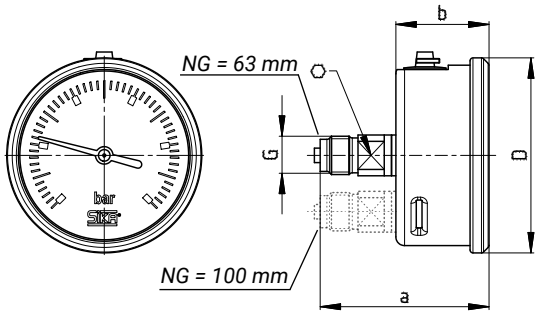
With rear flange

Bottom connection



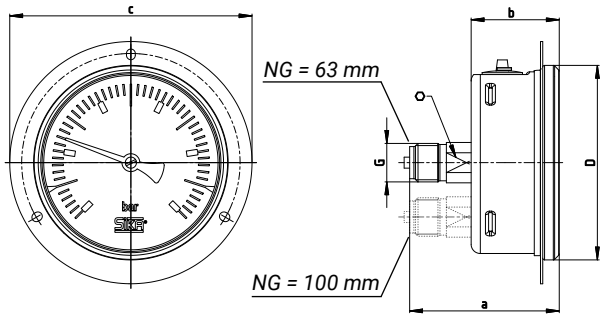
Without mounting flange

Central back connection



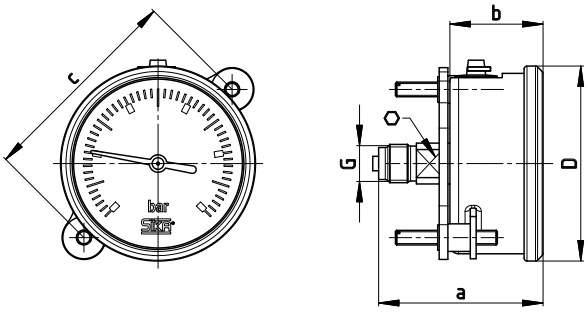
With front flange

Central back connection



Available with u-clamp

Central back connection



Dimensions [mm]							
NS	D	b	c	G	a	h	⬡
63	68	32	85	G¼	58	54	14
100	107	48	132	G½	81.5	87	22

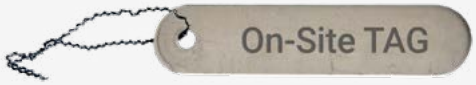
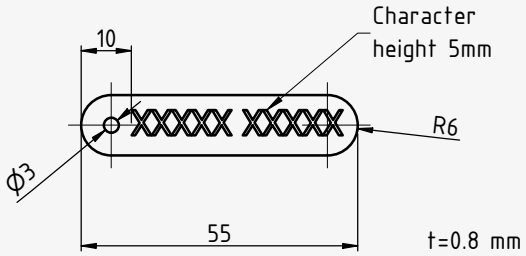
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Article numbers

Order code								
Bourdon tube pressure gauges, marine version								
Crimped-on ring case	MREM							
Nominal size								
63 mm		1						
100 mm		3						
Connection thread								
G¼ B bottom (63 mm)			1					
G½ B bottom (100 mm)			1					
G¼ central back connection (63 mm)			5					
G½ B lower back connection (100 mm)			2					
Connection material								
Brass				1				
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			
Mounting flange								
None						0		
Rear flange						1		
Front flange						2		
U-clamp						3		
Options								
None							0	
Filled case								
Filled case (glycerine)								G
Example article number	**MREM**	**3**	**1**	**1**	**315**	**0**	**0**	**G**

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Accessories

Accessories	Article number
Measuring point designation Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points → **Scope of delivery:** Designation plate inscribed according to specification and enclosed fixing wire (sealing wire) → **Fastening:** Wire (included in delivery), alternatively sealing, cable ties or similar (not included in delivery) → **Materials:** Plate stainless steel 1.4571, wire stainless steel → **Dimensions:** Plate 55 x 10 x 0.8 mm, wire length 180 mm → **Inscription:** one-sided, single-line, max. 11 characters, character height 5 mm, designation width max. 40 mm, letters, numbers, symbols, barcodes, QR codes → **Transmission of designations:** digital list, file formats Excel, Word or CSV  	**ONSITETAG**