

SIKA Bourdon Tube Pressure Gauge Type MRE, standard and stainless steel version

Application range:

Gaseous and liquid, non-high viscous, non-crystallizing media, in stainless steel version also applicable under aggressive process media and environmental conditions

Version: EN 837-1

Nominal case size: 63

Accuracy: (EN 837-1/6)

1.6 0/400 bar
2.5 0/600 bar standard version
0/100 bar chemical version

Pressure ranges: (EN 837-1/5)

0..0.6 bar up to 0..1000 bar
as well as all equivalent ranges for negative and/or negative and positive excess pressure

Technical range:

static load: full scale value
fatigue load: 0.9 x full scale value
short-term: 1.3 x full scale value

Temperature limitations:

Ambient: Tmin: -25°C, Tmax: +60°C
Medium: Tmax: +60°C (soldered)
+100°C (brazed)

Temperature dependence:

Reading error in case of deviation from standard temperature by 20°C at the measurement system:
temperature increase: about +0.3% /10 K
temperature decrease: about -0.3% /10 K
of the respective scale value

Protection class:

IP 54 (EN 60 529 / IEC 529)

Connection:

brass at the bottom or at the rear off-center (EN 836-1/7.3)
G¹/4B, A F 14

Standard version:

Connection material: brass

Bourdon tube type:

up to 40 bar: circular spring, bronze, soldered
up to 60 bar: screw spring 1.4571, brazed

Movement:

brass, moving parts Argentan

Dial:

aluminium white, figures black

Pointer:

aluminium black

Casing:

stainless steel 1.4301

Ring:

stainless steel 1.4301

Window:

instrument glass



Options:

- with glycerin filling
- safety version EN 837-1 (s)
- adjustable red pointer on the dial.
- from outside adjustable pointer or trailing pointer, resettable starting from 0/2.5 bar
- clamp fixing ring stainless steel
- version for oxygen, free of oil and grease
- front flange stainless steel
- rear flange stainless steel

Stainless steel version:

Connection material: stainless steel 1.4571

Bourdon tube type:

up to 40 bar: circular spring, 1.4571 welded with shielding gas
up to 60 bar: screw spring 1.4571, welded with shielding gas

Movement:

stainless steel 1.4301

Dial:

aluminium white, scaling black

Casing:

stainless steel 1.4301

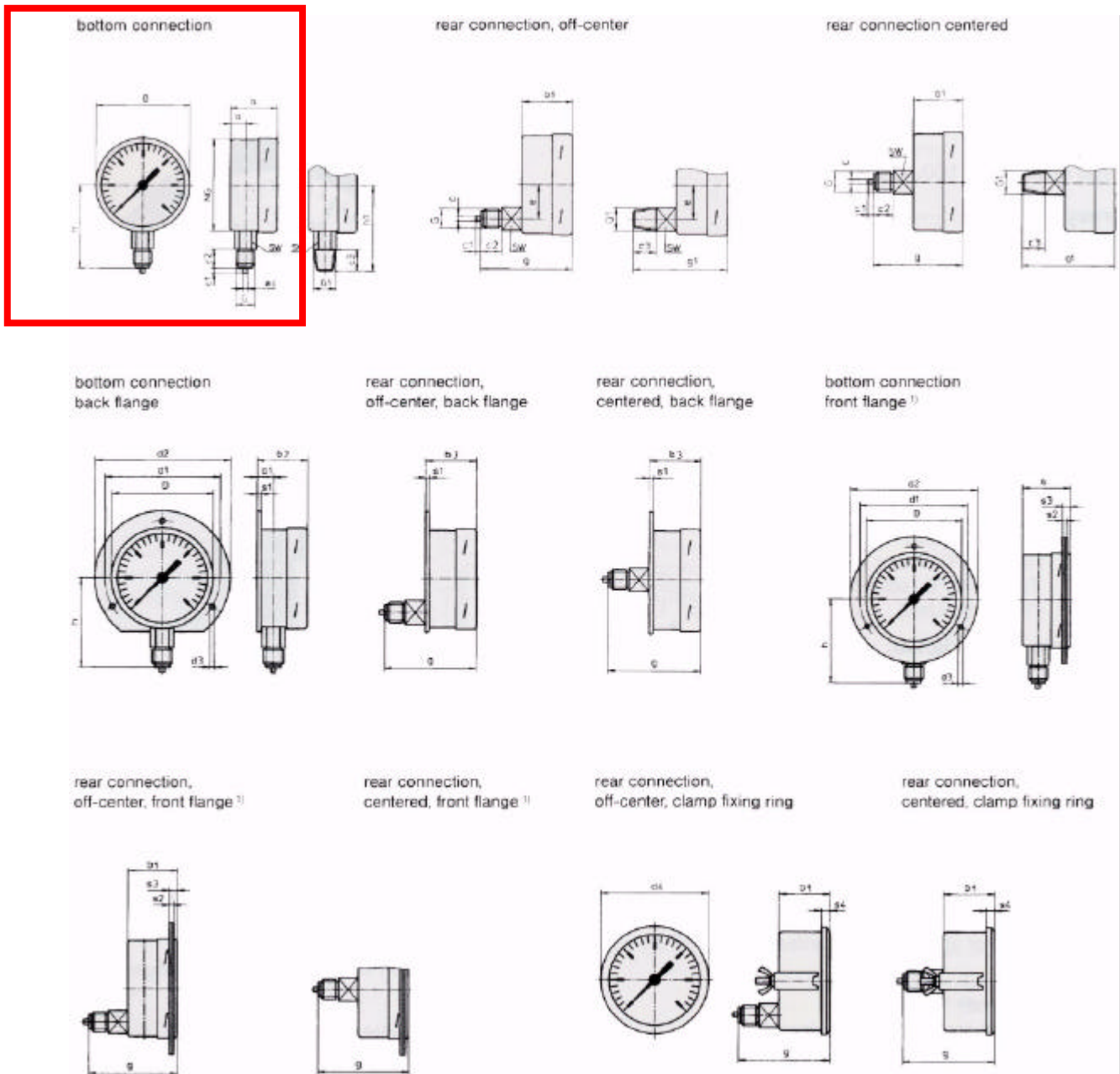
Ring:

bayonet ring, stainless steel 1.4301

Window:

laminated safety glass

Configurations and Dimensions Type MRE standard and stainless steel version



Dimensions (mm)

Size	D	a	a1	b	b1	b2	b3	c	c1	c2	c3	d1	d 2	d 3
63	64	12,5	15,5	35	36	37,5	38,5	5	2	13	13	75	∞	3,7

Size	d4	e	G	G 1	g	g1	h±1	h1±1	s1	s2	S3	S4	SW
63	67	1 18	M 14 x 1,5	¼"NPT	58	58	54	54	5	2	5	8,5	14

¹⁾ casing shape consists of a front ring with slots and separate front flange