

Bourdon Sensing Pr. Gauges - 250mm

General

MODEL : BS25 (Dry Case)

LFBS25 (Liquid Filled Case)

SFBS25 (Solid Front, Dry Case)

LSBS25 (Liquid filled, Solid Front Case)

Features

- Compliance to latest EN-837 standard
- Range : (-)1 to 1600 kg/cm²
- Bourdon in SS316 Ti as standard providing better mechanical properties guaranteeing repeatability and accuracy
- Accuracy $\pm 1\%$ FSD (Standard), $\pm 0.5\%$ FSD on request
- Unit of measurement - kg/cm², bar, psi, kPa, MPa



Specifications

Ref. Standard	EN-837
Dial	250 mm in Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Bourdon	SS316, SS316 Ti, SS316L, Monel
Socket	22mm Square in SS316, SS316 Ti, SS316L, Monel
Movement	SS304, SS316
Range	As per EN 837 (refer table) minimum span 0.6 kg/cm ² , maximum 1600 kg/cm ²
Connection	1/2" NPT (M) as standard* (other optional)
Accuracy	$\pm 1.0\%$ FSD standard ($\pm 0.5\%$ FSD on request)
Over range	As per EN 837
Zero adjustment	Micrometer Pointer
Blow out disc	Provided (on top)
Temperature suitability	Ambient (-)20°C to 60°C, Media 200°C
Temperature Effect	Within $\pm 0.4\%$ FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)
Optional	IBR certification NACE compliance Liquid Filled Case External Knob for zero setting Vacuum Protection CE Atex

* For ranges above 1000 bar, connection shall be 1/2"BSP(M) with Bottom Entry only

Ranges

Gauge	bar, kg/cm ²	Least count
Vacuum	(-)1 to 0	0.02
	-760 to 0mmHg	20
Compound	(-)1 to 0.6	0.05
	(-)1 to 1.5	0.05
	(-)1 to 3	0.10
	(-)1 to 5	0.10
	(-)1 to 9	0.20
	(-)1 to 15	0.50
	(-)1 to 24	0.50
	(-)1 to 39	1.0
Pressure Gauge	0 to 0.6	0.01
('C' shaped Bourdon)	0 to 1	0.02
	0 to 1.6	0.05
	0 to 2.5	0.05
	0 to 4	0.10
	0 to 6	0.10
	0 to 10	0.20
	0 to 16	0.50
	0 to 25	0.50
	0 to 40	1.0
	0 to 60	1.0
Pressure Gauge	0 to 100	2.0
Gauge	0 to 160	5.0
Coil type	0 to 250	5.0
Bourdon	0 to 400	10.0
	0 to 600	10.0
	0 to 800	20.0
	0 to 1000	20.0
	0 to 1600	50.0

For range other than above please contact our design dept.

The parameters mentioned here are the standard specifications / values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement. For higher temperature services above 100°C, we recommend to provide suitable cooling arrangement (Syphon, Cooling Tower, Impulse Tubing, Diaphragm Seal etc.)

Under Technical Collaboration with M/s. Gauges Bourdon, France

Ordering Information

MODEL

BASIC MODEL CODE
BS25 Dry Case
LFBS25 Liquid Filled Case
SFBS25 Solid Front, Dry Case
LSBS25 Liquid filled, Solid Front Case

MOUNTING
V Bottom Entry, Local Mounting
S Bottom Entry, Surface Mounting
Y Bottom Entry, 2" Pipe Mounting
C Back Entry, Local Mounting
P Back Entry, Flush Panel Mounting

DIAL SIZE
250 250 mm

CASE
S4S SS 304
S6S SS 316

BOURDON
S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

SOCKET
S6S SS 316
S6L SS 316L
S6T SS 316Ti
MN4 Monel

MOVEMENT
S4S SS 304
S6S SS 316

CONNECTION							
Conn	Code	Size	Code	Type	Code	Male/ Female	Code
Thread	T	1/4"	06	NPS	NS	Male	M
		3/8"	10	NPT	NT	Female	F
		1/2"	15	BSP	BP		
		3/4"	20	BSPT	BT		
		1"	25	JIS-PF	PF		
		M20	M20	JIS-PT	PT		
				Gas	GS		
				R	RR		
		Rp	RP				
		Pitch 1.5	C				

OPTION
A05 Accuracy $\pm 0.5\%$ FSD
ATX Atex
BGS Built In Gauge Saver
BOB Blow out disc at back
BSN Built In Snubber
CLB Colour Band
CEM CE marking
DC2 Silicone Oil filled Case
DUS Dual Scale
EXZ External Knob for Zero Adjustment
FLG Flanged Process Conn
GLY Glycerine filled Case
IBR IBR
NAC NACE
OXY O2 Cleaning
OR5 150% FSD Over range
VCP Vac protection
L Nil
CSU Chemical Seal
ACC Accessory
XXX Other

UNIT
KSC kg/cm2(g)
BAR bar(g)
PSI psi(g)
KPA kPa(g)
MPA MPa(g)
MBR mbar(g)
MMW mm WC(g)
CMW cm WC(g)
MWC m WC(g)
INW inch WC(g)
MMH mm Hg(g)
CMH cm Hg(g)
INH inch Hg(g)
XXX Other (Please specify)

RANGE
 Please select from Table

FLG - FLANGE							
Conn	Code	Size	Code	Rating#	Code	Facing	Code
Flange	F	1/2"	15	150	A	RF	RF
		3/4"	20	300	B	FF	FF
		1"	25	600	C	RTJ	RJ
		1-1/2"	40	900	D	LT	LT
		2"	50	1500	E	LG	LG
		3"	80	2500	F		

e.g. For 1/2"NPT(M), Code: **T15NTM**
 For M20x1.5 (F), Code: **TM20CF**

e.g. For 40 NB 300# RF flange, Model Code: **F40BRF**