

Bourdon tube pressure gauge stainless steel industrial design per EN 837-1, DN 100, Type Series BA52 . .



Features

- Case DN 100 with rear blow-out device per EN 837-1
- Case and pressure element assembly of stainless steel
- Accuracy class 1.0 per EN 837-1

Options

- Case with liquid filling
- Inspection certificate
 - material per DIN EN 10204
 - calibration certificate per DIN EN 10204

Application area

- Food industry
- Chemical and petrochemical industry

Application

The bourdon tube pressure gauge is suitable for use in various sectors of industry. High quality stainless steel design for measuring gaseous, liquid and aggressive media. Designed according to safety standards per EN 837-1.

Technical Data

Case

high quality case with bayonet ring DN 100 with rear blow-out device per EN 837-1. Material: st. steel mat.-no. 1.4301 (304). Case may be subsequently filled (ranges above 4 bar)

Degree of protection (EN60529)

IP 54

IP 65 with case filling

Pressure element assembly

bourdon tube and pressure connection material st. steel mat.-no. 1.4571 (316Ti)

Case filling

liquid filling glycerine/water

Process connection

pressure connection G 1/2 B or 1/2" NPT. Bottom or back eccentric connection according to EN 837-1

Movement

stainless steel segment

Scale

pure aluminium, white with black inscription

Pointer

aluminium, black

Window

non splintering laminated glass

Case seal

sealing ring and filling plug: Elastomer

Blow-out device

material: Desmopan

Nominal ranges

per EN 837-1
0...0.6 bar up to 0...1000 bar

Overload protection

measuring range $\leq$ 600 bar: 1.3times
measuring range $>$ 600 bar:
maximum scale value

Accuracy

class 1.0 per EN 837-1

Temperature ranges

operating temperature range (ambient and measured medium)
-20...+60 °C
storage temperature
-40...+70 °C

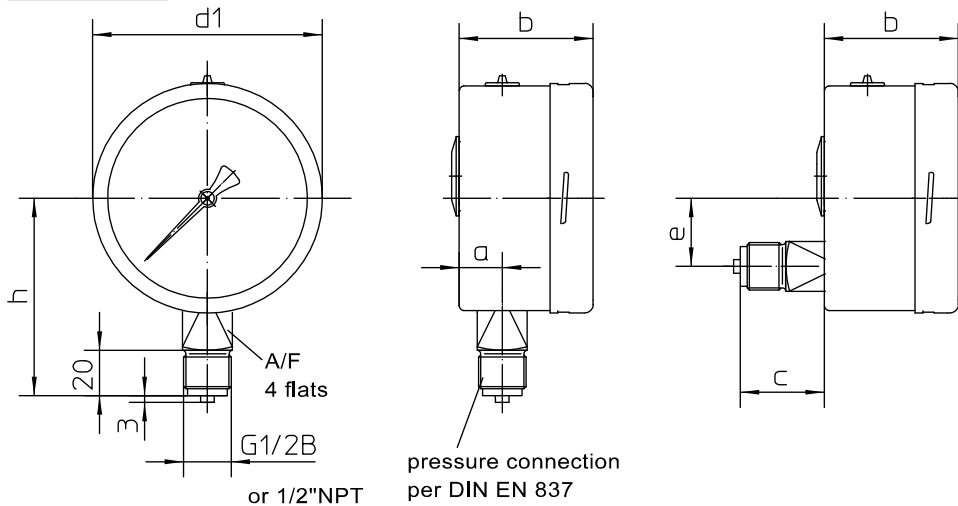
Mounting

stand-alone

Weights

without filling	approx. 0.5 kg
with filling	approx. 0.8 kg

Information on other models see order details or upon request

Dimensions

further pressure connections see order details

dimensions (mm)							A/F
case	d1	a	b	e	h	c	square
DN 100	101	15.6	49	34.5	86	34	22

Order Details - please give additional specifications for models not listed -**Bourdon tube pressure gauge DN 100, EN 837-1 - stainless steel industrial design -**

case design	DN 100	· process conn. bottom	BA5200
	DN 100 with case filling	· process conn. at back	BA5210
process connection	· G 1/2 B	· process conn. bottom	BA5220
	· 1/2" NPT	· process conn. at back	BA5230
nominal range	-0.6...0 bar		A2 ... B2 ... 085
	-1...0 bar		086
	-1...0.6 bar		087
	-1...1.5 bar		088
	-1...3 bar		089
	-1...5 bar		090
	-1...9 bar		091
	-1...15 bar		092
	-1...24 bar		093
	0...0.6 bar		052
	0...1 bar		053
	0...1.6 bar		054
	0...2.5 bar		055
	0...4 bar		056
	0...6 bar		057
	0...10 bar		058
	0...16 bar		059
	0...25 bar		060
	0...40 bar		061
	0...60 bar		062
	0...100 bar		063
	0...160 bar		064
	0...250 bar		065
	0...400 bar		066
	0...600 bar		068
	0...1000 bar		070
Order code (example):			BA5200 A2057