



Features

- Bayonet ring case with blow-out device per EN 837-1
- Case and pressure element assembly of stainless steel
- Degree of protection IP 65
- Accuracy class 1.6 per EN 837-1

Options

- Safety pattern gauge with blow-out back and solid baffle wall per EN 837-1 S3
- Case with liquid filling
- Inspection certificate
 - material per DIN EN 10204
 - calibration certificate per DIN EN 10204
- Free of oil and grease for use with oxygen

Application area

- Chemical and petrochemical industry
- Shipping
- Water and wastewater systems
- Power engineering
- Machinery construction

Application

Pressure gauge for measuring gaseous, liquid and aggressive media in areas with particular requirements.

Technical Data

Case

high quality case with bayonet ring DN 63 with blow-out device per EN 837-1, option: safety version with blow-out back and solid baffle wall per EN 837-1 S3 material: st. steel mat.-no. 1.4301 (304)

Degree of protection (EN60529)

IP 65 case with liquid 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

as per EN 837-1
pressure connection G 1/4 B or 1/4" NPT, further threaded connections upon request. Bottom or back centric connection, option: centre back connection.

Movement

stainless steel segment

Scale

pure aluminium, white with black inscription. Option: with red marking

Pointer

pure aluminium, black

Window

non splintering laminated glass

Case seal

sealing ring: NBR
filling plug: NBR

Blow-out device

material: NBR

Pressure compensation membrane

for safety version with case filling: Silicon

Nominal ranges

per EN 837-1
0...0.6 bar up to 0...1000 bar
other measuring units can be supplied

Overload protection

steady pressure max. scale value short-term
1.3times

Accuracy

class 1.6 per EN 837-1

Temperature ranges

operating temperature (ambient)
-20...+60 °C
without liquid filling
-40...+60 °C
storage temperature
-20...+60 °C
mediums temperature
max. 150 °C

Mounting

stand-alone, upon request with flange for surface mounting or for flush mounting with DIN mounting flange

Weights

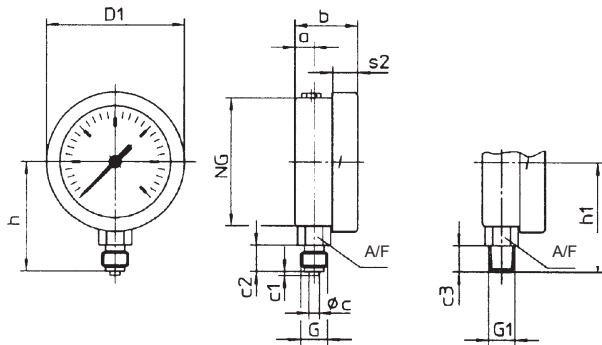
without filling: approx. 0.2 kg
with filling: approx. 0.3 kg

Information on other models see order details or upon request

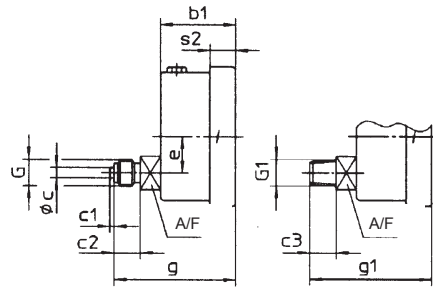
Dimensions

standard design

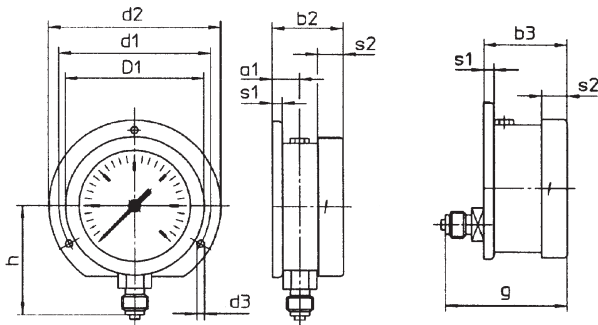
bottom connection



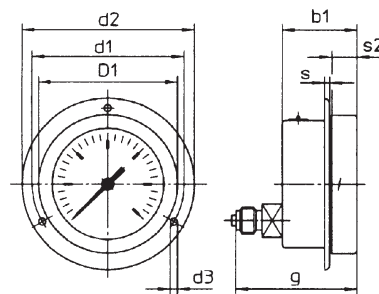
connection at back



for surface mounting



for flush mounting



Order Details

- please give additional specifications for models not listed -

Bourdon tube pressure gauge

case design DN 63	degree of protection IP 65	process connection	bottom	· standard	BA4100
				· safety design	BA4400
			eccentric back	· standard	BA4110
	· safety design	BA4410			
	degree of protection IP 65 with liquid filling	process connection	centre back	· standard	BA4170
			bottom	· standard	BA4120
				· safety design	BA4420
			eccentric back	· standard	BA4130
	· safety design	BA4430			
centre back	· standard	BA4180			

process connection ²	· G 1/4 B	A
	· 1/4" NPT	B
nominal range	· per table	..

standard nominal ranges			
nominal range bar	order code	nominal range bar	order code
-0.6...0	85	0...4	56
-1...0	86	0...6	57
-1...0.6	87	0...10	58
-1...1.5	88	0...16	59
-1...3	89	0...25	60
-1...5	90	0...40	61
-1...9	91	0...60	62
-1...15	92	0...100	63
-1...24	93	0...160	64
0...0.6	52	0...250	65
0...1	53	0...400	66
0...1.6	54	0...600	68
0...2.5	55	0...1000	70

additional features (to be indicated in case of need, only)

marking	· on scale (pls. specify)	T2
mounting	· rear flange for surface mounting	V2
	· front flange for flush mounting	V3
	· front flange with clamp clip for flush mounting ¹	V4

Order code (example): BA4100 A56

¹ with process connection at back only
² certificate per DIN EN 10204-3.1 upon request