

BOURDON TUBE PRESSURE GAUGE BRASS STAINLESS STEEL CASE (DIN CASE)

Applications

Liquid and Gaseous media which do not corrode
copper alloy and which do not have high viscosity
or do not crystallize
Pneumatics
Water and Water waste

Accuracy class

EN 837-1 Class 1.0 and Class 1.6

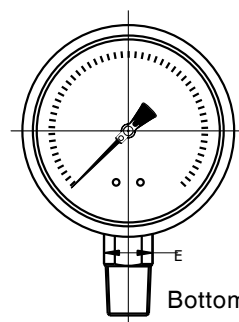
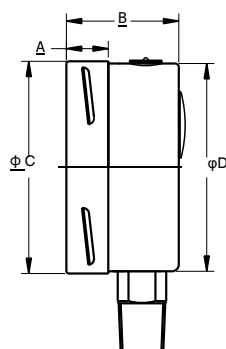
Special features

Standard Followed ASME-B 40.1 / EN837-1
Cost Effective
Build in Stabilizer Movement
Dry or Liquid Version
40mm Temperature Compensated Blow
Out Disc
Internal Vacuum/ Over Pressure Stops
IP 65



Bourdon tube pressure gauge, standard EN 837-1

Dimensions



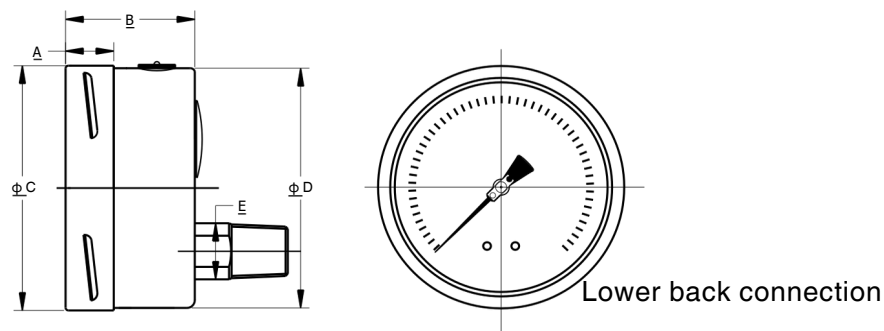
Bottom connection

NS	A	B	ØC	ØD	E	Weight (lbs)
63 [2.1/2"]	0.5"	1.36"	2.5"	2.44"	0.55"	0.40
80[3"]	0.55"	1.56"	3.1"	3"	0.67"	0.60
100 [4"]	0.67"	1.93"	3.95"	3.9"	0.87"	0.41
160 [6"]	0.68"	1.97"	6.34"	6.2"	0.87"	2.65

Dimensions in inches

BOURDON TUBE PRESSURE GAUGE BRASS STAINLESS STEEL CASE (DIN CASE)

Dimensions



NS	A	B	Ø C	Ø D	E	Weight (lbs)
63 [2.½"]	0.5"	1.36"	2.5"	2.44"	0.55"	0.40
80[3"]	0.55"	1.56"	3.1"	3"	0.67"	0.60
100 [4"]	0.67"	1.93"	3.95"	3.9"	0.87"	0.41
160 [6"]	0.68"	1.97"	6.34"	6.2"	0.87"	2.65

Dimensions in inches

Specifications

Standard	
Ambient Temperature	-4°F (-20°C) to +150°F(+65°C)
Process Temperature	Max. 248°F (120°C)
Operating Pressure Range	75% of Scale Value
Over Pressure Limit	125% of Max.Scale Value
Case	AISI 304 SS
Joints	Alloy brazing/Soldering
Socket	Copper Alloy
Bourdon	Copper Alloy
Movement	Copper Alloy
Dial	Aluminum
Pointer	Fixed/Micro Zero Adjustable
Window	Safety Glass
Range	Vacuum to 6,000 psi

BOURDON TUBE PRESSURE GAUGE BRASS STAINLESS STEEL CASE (DIN CASE)

SCALE RANGES

bar / kg,cm2			
0...1	0...6	0...40	0...250
0...1.6	0...10	0...60	0...400
0...2.5	0...16	0...100	
0...4	0...25	0...160	

psi			
0...15	0...200	0...1,500	0...6,000
0...30	0...300	0...2,000	
0...60	0...400	0...3000	
0...100	0...600	0...4000	
0...160	0...800	0...5,000	

kPa		
0...100	0...1,000	0...10,000
0...160	0...1,600	0...16,000
0...250	0...2,500	0...25,000
0...400	0...4,000	0...40,000
0...600	0...6,000	

MPa		
0...0.1	0...1	0...10
0...0.16	0...1.6	0...16
0...0.25	0...2.5	0...25
0 ... 0.4	0...4	0...40
0...0.6	0...6	

inHg / psi	
-30 inHg 0	-30 inHg +100
-30 inHg +15	-30 inHg +160
-30 inHg +30	-30 inHg+200
-30 inHg +60	-30 inHg +300

mmHg / psi	
-760 mmHg 0	-760 mmHg +100
-760 mmHg +15	-760 mmHg +160
-760 mmHg +30	-760 mmHg....+200
-760 mmHg +60	-760 mmHg.... +300

cmHg / psi	
-76 cmHg 0	-76 cmHg +100
-76 cmHg.... +15	-76 cmHg +160
-76 cmHg +30	-76 cmHg+200
-76 cmHg +60	-76 cmHg +300



Model W49

BOURDON TUBE PRESSURE GAUGE BRASS STAINLESS STEEL CASE (DIN CASE)

Example

EXTRA OPTIONS

DIAL SIZE

63

63 80 100 160

2½" 3" 4" 6"

TYPE OF MOUNTING

M01

M01	BOTTOM
M02	LOWER BACK
M03	CENTER BACK WITH FRONT FLANGE
M04	CENTER BACK WITH MOUNTING BRACKET
M05	CENTER BACK
M06	LOWER BACK WITH FRONT FLANGE
M07	LOWER BACK WITH MOUNTING BRACKET
M08	WALL/SURFACE/PROJECTION MOUNTING WITH BOTTOM

PROCESS CONNECTION

2NM

2 BM	1/4" BSP (M)
2 NM	1/4" NPT (M)
3 BM	3/8" BSP (M)
3 NM	3/8" NPT (M)
4 BM	1/2" BSP (M)
4 NM	1/2" NPT (M)
4 MM	M20 X 1.5 (M)
4 TM	1/2" BSPT (M)

SCALE RANGE

(range)

PLEASE CONSULT FOR SCALE RANGE

E01	OXYGEN SERVICE (FOR DRY VERSION)
E02	ACCURACY + 0.5% OF F.S.
E03	MOVEMENT WITH DAMPENING JELLY
E04	KNIFE EDGE POINTER
E05	2" PIPE/YOKE MOUNTING BRACKET & 'U' CLAMP (AISI 316 SS)
E06	ANTI PARALLAX MIRROR BAND DIAL
E07	CUSTOM DESIGNED DIAL
E08	RECEIVER RANGE
E09	ATEX (AS PER 2014/34/EU)
E10	FREON RANGE (WITH TEMPERATURE SCALE)
E11	DIAL TAG MARKING
E12	PLEXI GLASS
E13	SHATTERPROOF /SAFETY GLASS
E14	TOUGHENED GLASS
E15	AISI 316SS TAG PLATE
E16	MAXIMUM READING POINTER WITH PLEXI GLASS
E17	FILLABLE VERSION
E18	ELECTRO POLISHED CASE & BEZEL
E19	EPOXY PAINTED CASE & BEZEL
E20	AISI 316 SS CASE & BEZEL
E21	ON-OFF TYPE VENT PLUG
E22	SS TAG PLATE
E23	INTERNAL OVERPRESSURE STOP
E24	INTERNAL VACUUM STOP
E25	OVER RANGE PROTECTION
E26	INTEGRAL DAMPENING SCREW (BRASS)
E27	FILLABLE LIQUID SILICON OIL
E28	FILLABLE LIQUID GLYCERINE
E29	DIELECTRIC OIL FILLED
E30	DAMPENING LIQUID FLOUROLUBE FILLED
E31	DAMPENING LIQUID GLYCERINE OIL FILLED
E32	DAMPENING LIQUID MINERAL LIQUID FILLED
E33	DAMPENING LIQUID SILICON OIL FILLED
E34	MATERIAL TEST CERTIFICATES
E35	FIVE POINT CALIBRATION CERTIFICATE NATIONAL / INTERNATIONAL STANDARDS

Ordering Example : W49 - 63 - M01 - 2NM - (range) - (extra option)