Tasira

Instruments & Services

Baumer
Passion for Sensors

AA

Utility Pressure Gauge
Bourdon type

Special Features

- Economical version
- General purpose application

Application

- HVAC
- Filter-Regulator-Lubricator (FRL) Units
- Water
- Air
- Allied process industries
- Hydraulic
- Pneumatics
- Valve positioner
- Sugar mills
- Irrigation Equipment

GOST

Specifications

Standard Version : 40 mm, 50 mm, 63 mm, 80 mm, 100 mm, 150 mm & 250 mm

Accuracy	:	±1.6% of F. S. (For NS 63 mm, 80 mm, 100 mm, 150 mm & 250 mm)
	:	±2.5% of F. S. (For NS 40 mm & 50 mm)
Ambient temperature	:	- 20°C to + 65°C
Process temperature	:	Max. 150°C
Operating pressure range	:	75% of Scale Value
Over pressure limit	:	≤ 100 bar : 125% of Max. Scale Value
		> 100 to ≤ 600 bar : 115% of Max. Scale Value
		> 600 to ≤ 1600 bar : 110% of Max. Scale Value

Case	:	Steel, Powder coated / painted (Push Fit Type)
Bourdon	:	Copper Alloy
Socket	:	Copper Alloy
Movement	:	Copper Alloy
Joints	:	Alloy brazing / soldering

Dial	:	Aluminium, black graduation on white background
Pointer	:	Black coloured, fixed
Window	:	Sheet glass

Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : ± 0.04 x (t2 - t1) % of F. S.
where t1 = reference temperature (+20°C) and t2 = ambient temperature in °C.

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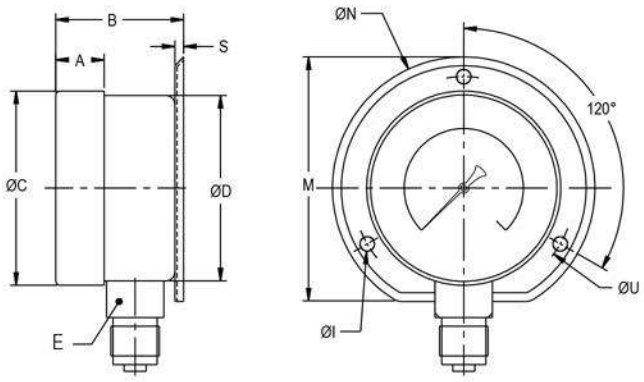
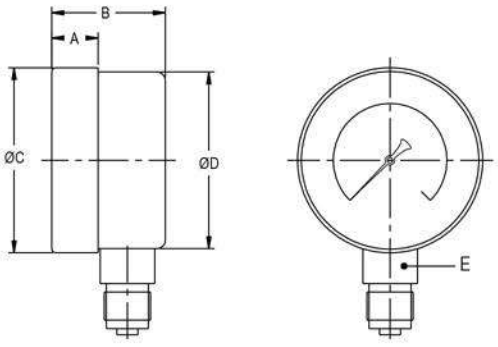
Dimensions - Standard Version

TYPE - 1



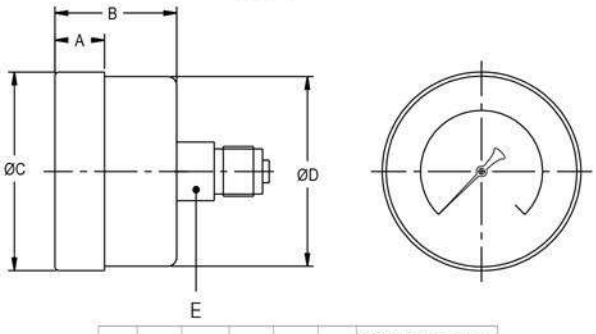
NS	A	B	ØC	ØD	E	M	S	ØN	ØU	ØI	Weight in gram (With Box)
63	12	30	63	62	14	80	5	88	76	5	160.0
80	12	40	78	76	14	100	5	115	98	5	250.0
100	13	36	99	97	17	117	1.2	132	118	6	405.0
150	16	47.5	155	154	17	181	7	195.5	-	-	730.0
250	37.5	55	252	249	22	280	8	288.5	-	-	2300.0

TYPE - 2



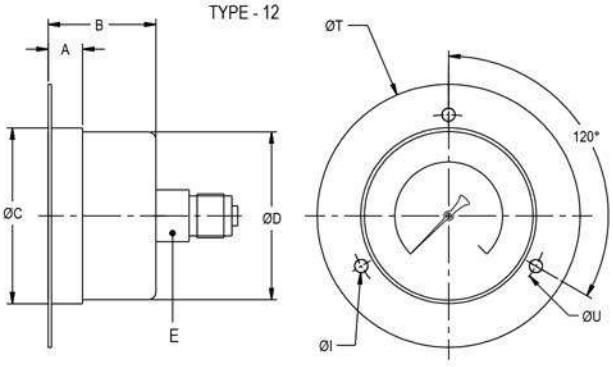
NS	A	B	ØC	ØD	E	Weight in gram (With Box)
40	10	26.5	44	42	12	82.0
50	10	29	53	52	14	101.0
63	12	29	63	62	14	120.0
80	12	35	78	76	14	195.0
100	13	35	99	97	17	343.0
150	16	43	155	154	17	695.0
250	37.5	51	252	249	22	2100.0

TYPE - 4



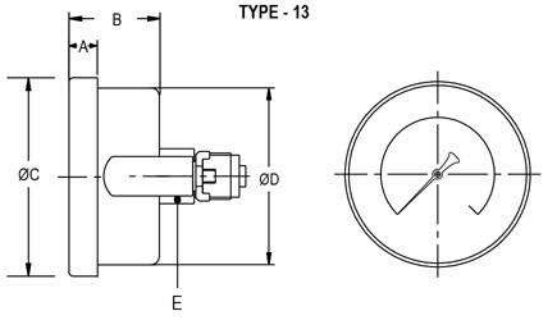
NS	A	B	ØC	ØD	E	Weight in gram (With Box)
40	7	24	42	41	11	69.0
50	11	29	54	52	14	148.0
63	12	29.5	67	65.5	14	174.0
80	12	35	78	76	14	190.0
100	13	36	99	97	17	343.0
150	16	43	155	154	17	663.0

TYPE - 12



NS	A	B	ØC	ØD	E	ØT	ØU	ØI	Weight in gram (With Box)
50	12	29	54	52	14	90	71	4	175.0
63	12	31	63	62	14	90	76	4	210.0
100	14	33	99	97	17	134	117	4	445.0
150	16	37	155	154	17	184	170	5	581.0

TYPE - 13



NS	A	B	ØC	ØD	E	Weight in gram (With Box)
50	11	29	54	52	14	210.0
63	12	29.5	67	65.5	14	240.0
100	13	36	99	97	17	390.0
150	16	43	155	154	17	700.0

Notes : • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size.

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Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or equivalent scales as per the requirement can be provided on request.

Following are the example tables for kg/cm² & psi scales

Range with nominal sizes

Nominal Sizes		40	50	63	80	100	150	250
Range (psi with kg/cm²)								
Range psi	Range kg/cm²							
Vacuum								
-30 inHg / 0	-760 mmHg / 0	✔	✔	✔	✔	✔	✔	✔
Pressure								
0/15 psi	0/1 kg/cm²	✔	✔	✔	✔	✔	✔	✔
0/30 psi	0/2 kg/cm²	✔	✔	✔	✔	✔	✔	✔
0/60 psi	0/4 kg/cm²	✔	✔	✔	✔	✔	✔	✔
0/100 psi	0/7 kg/cm²	✔	✔	✔	✔	✔	✔	✔
0/150 psi	0/10 kg/cm²	✔	✔	✔	✔	✔	✔	✔
0/220 psi	0/16 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/300 psi	0/21 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/400 psi	0/28 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/500 psi	0/35 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/600 psi	0/42 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/1000 psi	0/70 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/1500 psi	0/100 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/2200 psi	0/160 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/3000 psi	0/210 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/4000 psi	0/280 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/5000 psi	0/350 kg/cm²	×	✔	✔	✔	✔	✔	✔
0/6000 psi	0/400 kg/cm²	×	✔	✔	✔	✔	✔	✔
Compound								
- 30 inHg/15	- 1/1 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /30	- 1/2 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /60	- 1/4 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /100	- 1/7 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /150	- 1/10 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /200	- 1/14 kg/cm²	×	×	×	×	✔	✔	✔
- 30 inHg /300	- 1/21 kg/cm²	×	×	×	×	✔	✔	✔

Freon with temperature scale

Note : For temperature scales, please provide refrigerant name.

- 30" Hg / 150 psi	×	×	✔	×	✔	×	×
- 30" Hg / 300 psi	×	×	✔	×	✔	×	×
0/300 psi	×	×	✔	×	✔	×	×
0/500 psi	×	×	✔	×	✔	×	×

Accessories (refer datasheet for complete specifications)

EC	Gauge Cock	**EG**	Snubber	**EH**	Siphon

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How To Order									Example
Basic Model									AA
Code									
Nominal Size (mm)		**B**	**C**	**D**	**E**	**F**	**H**	**J**	X
		40 mm	50 mm	63 mm	80 mm	100 mm	150 mm	250 mm	
Type of Mounting									
1	Wall/ surface/ projection mounting With bottom entry	×	×	✔	✔	✔	✔	✔	X
2	Direct bottom entry	✔**	✔	✔	✔	✔	✔	✔	OR
4	Direct center back entry	✔	✔	✔	✔	✔	✔	×	XX
12	Center back entry with front flange	×	✔	✔	×	✔	✔	×	
13	Center back entry with mounting bracket	×	✔*	✔*	×	✔	✔	×	

Note : *These gauges will have crimped bezel / ring.

** Minimum preferred quantity shall be 100 nos.

Gauge Connection		**B**	**C**	**D**	**E**	**F**	**H**	**J**	
1BM	1/8" BSP(M)	✔	✔	×	×	×	×	×	
1NM	1/8" NPT(M)	✔	✔	✔#	×	×	×	×	
1TM	1/8" BSPT(M)	✔	✔	×	×	×	×	×	
2BM	1/4" BSP(M)	×	✔*	✔	✔	×	×	×	
2NM	1/4" NPT(M)	×	✔*	✔	✔	×	×	×	XXX
2TM	1/4" BSPT(M)	×	✔*	✔	✔	×	×	×	
3BM	3/8" BSP(M)	×	×	×	✔	✔	✔	×	
3NM	3/8" NPT(M)	×	×	×	×	✔	✔	×	
3TM	3/8" BSPT(M)	×	×	×	×	✔	✔	×	
4BM	½" BSP(M)	×	×	×	×	✔*	✔*	✔	
4NM	½" NPT(M)	×	×	×	×	✔*	✔*	✔	
4TM	½" BSPT(M)	×	×	×	×	✔*	✔*	✔	
4MM	M20 X 1.5(M)	×	×	×	×	✔*	✔*	✔	

* These connections will be provided through adaptors or else for direct threads (without adaptor) minimum order quantity shall be 100 nos per range.

Applicable for Freon ranges.
Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc. can be provided on request through adaptors.

Range	0/10
Refer range table	kg/cm²

Optional Extras (*For NS 100 mm & above)

Note : Minimum preferred quantity for non standard items shall be 300 nos.

FK	Integral dampening screw (brass)	**ZC**	Freon range (with temperature scale)	XX
RH	Custom designed dial	**SW**	Dial tag marking*	
SG	Oxygen service	**TB**	Helium leak test	
PW	Five point calibration certificate	**SX**	SS tag plate	

Ordering Example: AA . X . X OR XX . XXX . 0/10 kg/cm² . XX

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

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31- 08 -12

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GOST IBR CE UL Mark

Special Features

- External zero adjustment (optional)
- Stainless steel case & measuring system
- Socket directly welded to case
- Dry and liquid filled version
- Standard followed EN 837-1 (for NS 100, 150 & 250 mm)
- CE marking (as per PED 97/23/EC) (for NS 100 mm & 150 mm)

Application

- Food & beverage
- Pharmaceutical
- Cryogenics
- Pumps
- Diesel engines & Refrigerating plants
- Chemical & Petrochemical industries
- Conventional & nuclear power plants
- Environments & gaseous or liquid media that will not obstruct the pressure system.
- Hydro-cleaning machines
- Presses
- Engine compressors
- Turbines
- Suitable for corrosive

Specifications

Standard Version : 100 mm, 125 mm, 150 mm, 200 mm & 250 mm

Accuracy	:	±1.0% of F. S.
Ambient temperature	:	- 25°C to + 65°C
Process temperature	:	Max 300°C
Operating pressure range	:	75% of Scale Value
Over pressure limit	:	< 100 bar : 125% of Max. Scale Value
	:	> 100 to < 600 bar : 115% of Max. Scale Value
	:	> 600 to < 1600 bar : 110% of Max. Scale Value

Case & Bezel	:	AISI 304 SS (Bayonet Type)
Bourdon	:	AISI 316L SS
Socket	:	AISI 316L SS (Directly Welded to Case)
Movement	:	AISI 304 SS
Joints	:	Tig Argon Arc Welding

Protection	:	IP 65
Dial	:	Aluminium, black graduation on white background
Pointer	:	Aluminium, black coloured Micrometer zero adjustable
Window	:	Sheet Glass
Blow off Disc	:	Neoprene
Gasket & Filling Plug	:	Neoprene

Dry But Fillable Version (Option FG)

Fillable Dampening Liquid	:	Glycerine 99.7% (Option - FG)
Ambient Temperature	:	Maximum 65°C
Process Temperature	:	Maximum 65°C
Window	:	Plexi Glass
Other Features	:	Refer Specification of Standard Version

Glycerine Filled Version (Option PY)

Accuracy	:	±1.0% of F.S.
Ambient Temperature	:	Maximum 65°C
Process Temperature	:	Maximum 65°C
Window	:	Plexi Glass
Dampening Liquids	:	Glycerine 99.7% (others available as option)
Other Features	:	Refer Specification of Standard Version

Temperature effect:
The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : ± 0.04 x (t2 - t1) % of F. S. where t1 = reference temperature (+20°C) and t2 = ambient temperature in °C.

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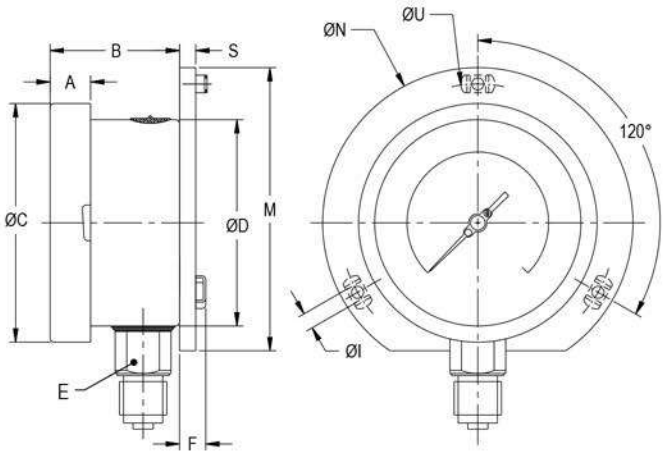
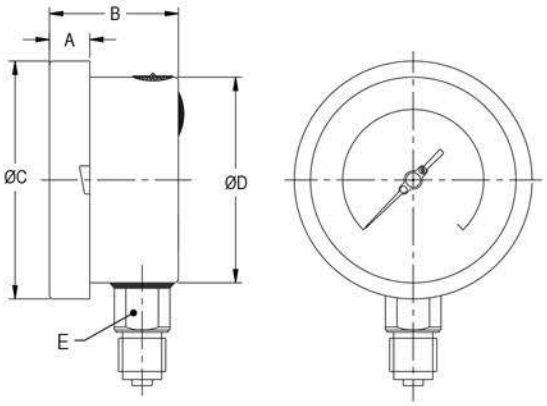
Dimensions - standard version

TYPE 1



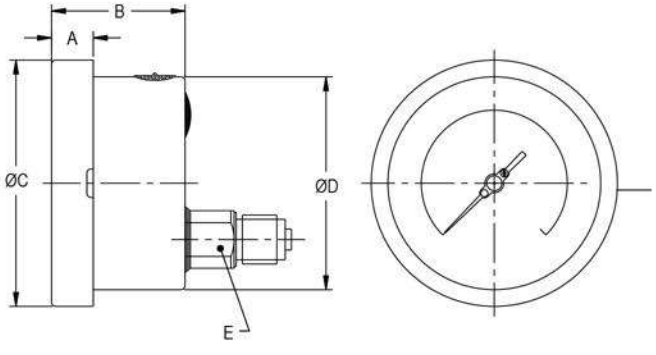
NS	A	B	ØC	ØD	E	M	S	F	ØI	ØN	ØU	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	45	111	100	22	128	6	14.5	6	134	118	720.0	1025.0
125	15	46	129	119	22	143	4	14.5	6	150	137	845.0	1165.0
150	15	46.5	161	149	22	174.5	6	14.5	6	186	168	1160.0	1895.0
200	18	49	216.5	201.5	22	229	1.5	14.5	7	245	230	2020.0	2780.0
250	18	52	263	250	22	286.5	1.5	14.5	7	290	276	2400.0	3220.0

TYPE 2



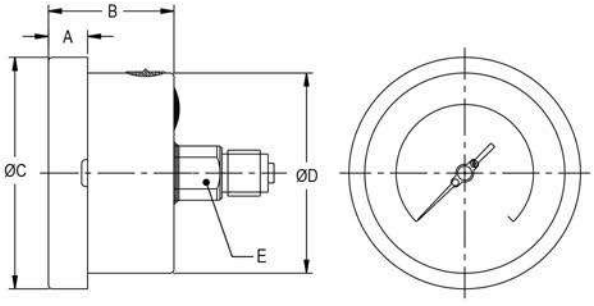
NS	A	B	ØC	ØD	E	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	47	111	100	22	640.0	935.0
125	15	48	129	119	22	750.0	1070.0
150	15	49	161	149	22	1020.0	1755.0
200	18	49	210.5	201.5	22	1720.0	2480.0
250	18	52	263	250	22	2000.0	2820.0

TYPE 3



NS	A	B	ØC	ØD	E	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	47	111	100	22	640.0	935.0
125	15	48	129	119	22	750.0	1070.0
150	15	49	161	149	22	1000.0	1735.0
200	18	49	216.5	201.5	22	1500.0	2260.0
250	18	52	263	250	22	1800.0	2620.0

TYPE 4



NS	A	B	ØC	ØD	E	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	47	111	100	22	640.0	935.0

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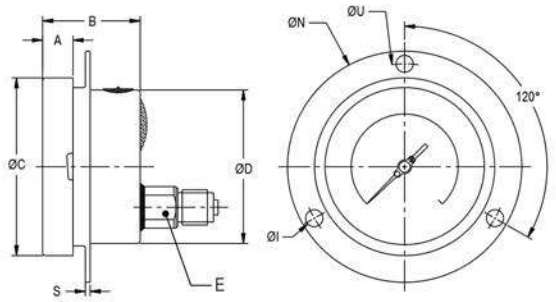
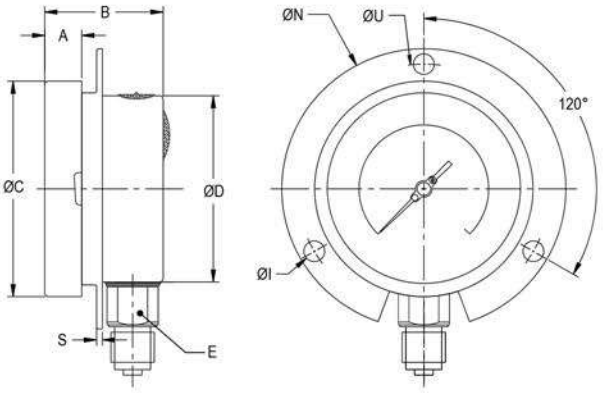
Dimensions - standard version

TYPE 5



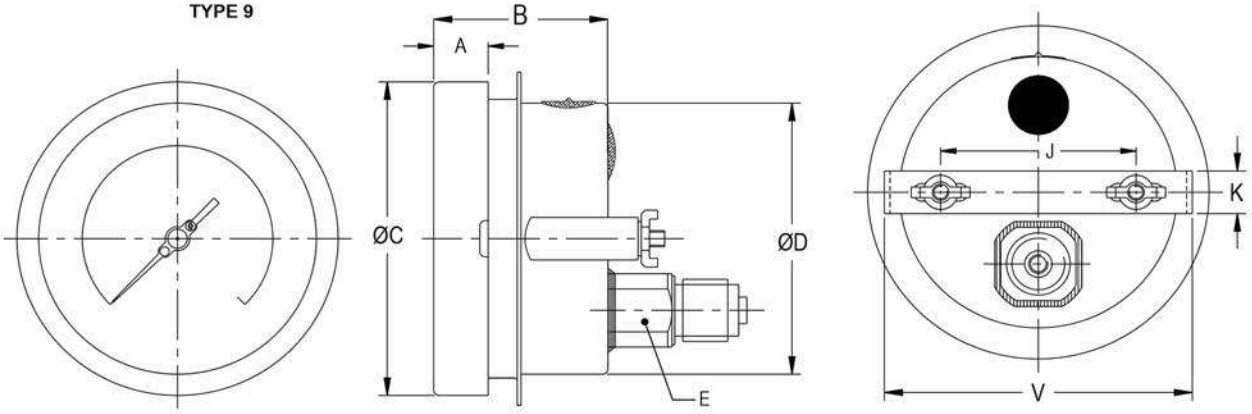
NS	A	B	ØC	ØD	E	S	ØI	ØN	ØU	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	45	111	100	22	1	6	134	118	695.0	990.0
125	15	46	129	119	22	1	6	150	137	850.0	1170.0
150	15	46.5	161	149	22	1	6	186	168	1100.0	1835.0
200	18	49	216.5	201.5	22	1.5	7	245	230	2000.0	2760.0
250	18	52	263	250	22	1.5	7	290	276	2250.0	3070.0

TYPE 11



NS	A	B	ØC	ØD	E	S	ØI	ØN	ØU	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	47	111	100	22	1	6	134	118	730.0	1025.0
125	15	48	129	119	22	4	6	150	137	815.0	1135.0
150	15	49	161	149	22	5	6	186	168	1100.0	1835.0

TYPE 9



NS	A	B	ØC	ØD	E	J	K	V	Weight in gram (With Box)	Weight in gram (With Glycerin & Box)
100	12.5	47	111	100	22	72	16	108	740.0	1035.0
125	15	48	129	119	22	75	16	125	890.0	1210.0
150	15	49	161	149	22	106.5	16	166	1100.0	1835.0
200	18	49	210.5	201.5	22	165	16	208	1920.0	2680.0
250	18	52	263	250	22	180	30	270	2300.0	3120.0

Notes : • Drawings are not to scale. • All Dimensions are in mm . • NS = Nominal size
• Weights mentioned are approximate and for standard product. Weight can be different after selection of options.

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Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm^2 & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm^2 & psi scales.

Pressure

Single Scale (kg/cm² or bar)

0/0.6	0/4	0/25	0/160	0/1000
0/1	0/6	0/40	0/250	0/1600
0/1.6	0/10	0/60	0/400	
0/2.5	0/16	0/100	0/600	

Dual Scale (psi with kg/cm²)

psi	kg/cm²	psi	kg/cm²	psi	kg/cm²
0/15	0/1	0/400	0/28	0/4000	0/280
0/30	0/2	0/500	0/35	0/5000	0/350
0/60	0/4	0/600	0/40	0/6000	0/420
0/100	0/7	0/1000	0/70	0/10000	0/700
0/150	0/10	0/1500	0/100	0/15000	0/1000
0/220	0/16	0/2200	0/160	0/22000	0/1600
0/300	0/20	0/3000	0/200		

Vacuum & Compound

Dual Scale (inHg with psi & mmHg with kg/cm²)

inHg with psi	mmHg with kg/cm²	inHg with psi	mmHg with kg/cm²	inHg with psi	mmHg with kg/cm²
- 30/0	- 760/0	- 30/60	- 760/4	- 30/200	- 760/14
- 30/15	- 760/1	- 30/100	- 760/7	- 30/300	- 760/21
- 30/30	- 760/2	- 30/150	- 760/10	- 30/350	- 760/25

Single Scale (kg/cm²)

- 1/0	- 1/1.5	- 1/5	- 1/15
- 1/0.6	- 1/3	- 1/9	- 1/24

Receiver

Linear scale	Square root scale
(0 - 100% Internal Scale)	(0 - 10 Sq - Root Internal Scale)
External Scale	External Scale
0.2 - 1 kg/cm² or 3 - 15 psi	0.2 - 1 kg/cm² or 3 - 15 psi
(0-100% linear scale)	(0.2 - 1 kg/cm²)

Freon (with temperature scale) **Ammonia (with temperature scale)**

Note : For temperature scales, please provide refrigerant name.

Range (psi)			(kg/cm²)	(psi)
-30 inHg - 150	0-300		-1 to 12.5	-30 inHg - 150
-30 inHg - 300	0-500		-1 to 16	-30 inHg - 300
			-1 to 25	0 - 300

Accessories (refer datasheet for complete specifications)

EB	Cooling tower	**ED**	Over load protector (gauge saver)**	**EG**	Snubber
EC	Gauge cock	*	Needle valve	**EH**	Siphon

* Refer catalogue for Valves & Manifolds. ** For Pressure Ranges.

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31- 08 -12

Baumer
Passion for Sensors

AL

All SS Pressure Gauge
Bourdon type

How To Order	Example
Basic Model	AL
Code	
Nominal Size	X

F	G	H	I	J
100 mm	125 mm	150 mm	200 mm	250 mm

Type of Mounting

1	Wall / surface / projection mounting with bottom entry
2	Direct bottom entry
3	Direct lower back entry
4	Direct center back entry (for NS 100 mm only)
5	Lower back entry with front flange
6	2" pipe / yoke mounting with bottom entry*
9	Lower back entry with mounting bracket
11	Bottom entry with front flange (for NS 100 mm, 125 mm & 150 mm)

X
OR
XX

* MOC of bracket and 'U' clamp will be steel (painted). Ask factory for drawings, if required.

Gauge Connection		F	G	H	I	J
2BM	1/4" BSP(M)	✔	✔	✔	×	×
2NM	1/4" NPT(M)	✔	✔	✔	×	×
2TM	1/4" BSPT(M)	✔	✔	✔	×	×
3BM	3/8" BSP(M)	✔*	✔	✔	✔	✔
3TM	3/8" BSPT(M)	✔	✔	✔	✔	✔
4BM	½" BSP(M) Standard	✔	✔	✔	✔	✔
4NM	½" NPT(M) Standard	✔	✔	✔	✔	✔
4TM	½" BSPT(M)	✔	✔	✔	✔	✔
4MM	M 20x 1.5(M)	✔	✔	✔	✔	✔

XXX

*** Standard for NS 100 mm.**

Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc. can be provided on request.

Range

0/10 kg/cm²

Refer range table

Optional Extras

OA	Accuracy ± 0.5% of F. S. (for dry version)	**GH**	Material test certificates***	**SB**	Internal vacuum stop
TI	Monel bourdon & socket (Monel version)**	**KA**	ON - OFF type vent plug	**ZB**	Receiver range
FL	Integral dampening screw (Monel)	**PV**	IBR approval #	**ZC**	Freon range (with temperature scale)
FS	Fillable liquid silicon oil*	**RG**	Anti parallax mirror band dial ##	**ZD**	Ammonia range (with temperature scale)
FG	Fillable liquid glycerine	**EZ**	External zero adjustment	**PS**	AISI 316 SS case & bezel
PY	Dampening liquid glycerine filled	**SX**	SS tag plate	**SD**	AISI 316 SS movement
QA	Dampening liquid silicon oil filled*	**SW**	Dial tag marking	**CK**	Epoxy painted case & bezel
RR	Enclosure protection IP 66	**TB**	Helium leak test	**ZM**	Electro polished case & bezel
RE	Enclosure protection IP 67	**TF**	Conformity as per NACE Standard	**SQ**	Case with rolling type bezel (for NS 100 mm)
RW	Plexi glass	**PW**	Five point calibration certificate	**ZL**	Over range protection 150% of F. S.
RX	Shatterproof/safety glass	**PU**	Calibration certificate traceable to National/International standards	**JU**	2" pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS)
RZ	Toughened glass			**FN**	2" pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS)
SF	Movement with dampening jelly	**SG**	Oxygen service (for dry version)	**GO**	Short over pressure
SI	Knife edge pointer	**RH**	Custom designed dial		
SJ	Maximum reading pointer with plexi glass (except option OA & only for dry version)♦	**QB**	Integral dampening screw (AISI 316 SS)		
		SA	Internal over pressure stop		
CE	CE marking (as per PED 97/23/EC)♦				

XX

* Gasket & Filling plug of for Viton. **Integral dampening screw will be in monel if ordered. Refer option FL.
***Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.
For NS 150 mm & above. Scale shall be marked in kg/cm² only. Consult factory for more details.
For NS 150 mm & Above. ♦ For NS 100 mm to 150 mm.

Ordering Example: AL . X . X OR XX . XXX . 0/10 kg/cm² . XX

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

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01- 08 -12

Baumer
Passion for Sensors

BQ

Differential Pressure Gauge
Bellow type

Special Features

- Case & measuring system in ss
- Dry or liquid filled
- Accuracy up to 1.0% F. S.
- Standard followed in general EN 837 - 3

Application

- Chemicals
- Refinery
- Nuclear
- Aerospace
- Fertilizer
- Petrochemicals
- Pharmaceutical
- Pharmaceutical
- Power
- Cement
- Sugar
- Food & beverages
- Pulp
- Paper & allied process industries

GOST - R

GOST

Specifications

Standard Version : 150 mm

Accuracy	:	±1.6% of F. S. for ranges up to 1 bar
	:	±1.0% of F. S. for ranges 1 bar to 6 bar
Ambient temperature	:	- 25°C to + 65°C
Process temperature	:	Max 100°C
Static pressure	:	6 kg/cm² up to ranges 0.6 bar
	:	25 kg/cm² for ranges 1 bar to 2.5 bar
	:	40 kg/cm² for ranges 4 bar to 6 bar

Case & Bezel	:	AISI 304 SS (Bayonet Type)
Bellow	:	AISI 316L SS
Process connection	:	½" NPT(M) x 2 Nos.
Movement	:	AISI 304 SS

Protection	:	IP 65
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black coloured, Micrometer Zero Adjustable
Window	:	Shatterproof / Safety Glass
Gasket & Filling Plug	:	Neoprene
Blow Off Disc	:	Neoprene
Scale Amplitude	:	80° to 270° (Depends on Range)

Glycerine filled version (option PY)*

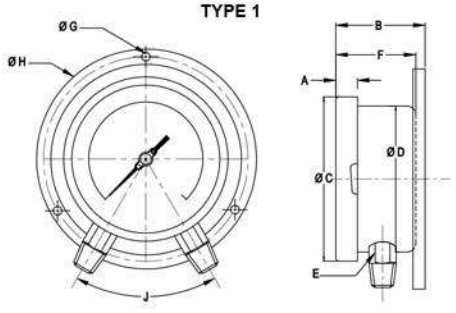
Accuracy	:	±1.0 % of F. S.
Ambient Temperature	:	Maximum 65°C
Process Temperature	:	Maximum 65°C
Window	:	Plexi Glass
Dampening Liquids	:	Glycerin 99.7%
Other Features	:	Refer Specification of Standard Version

*Suitable for ranges 1 bar to 6 bar

Temperature effect :
The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : ± 0.08 x (t2 - t1) % of F. S. where t1 = reference temperature (+20°C) and t2 = ambient temperature in °C.

Dimensions - standard version

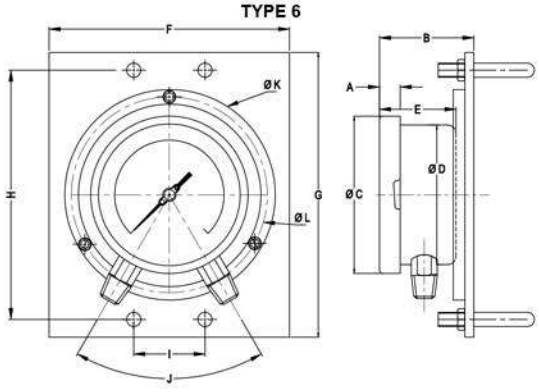
TYPE 1



NS	A	B	ØC	ØD	E	F	ØG	ØH	ØI	J	Weight in gram (With Box)
150	15	96	161	149	22	90	6	186	168	60°	2200

BQ model bottom entry with surface mounting

TYPE 6



NS	A	B	ØC	ØD	E	F	G	H	I	J	ØK	ØL	Weight in gram (With Box)
150	15	99	161	149	90	200	250	220	69	60°	186	168	2000

Notes : • Drawings are not to scale.
• All Dimensions are in mm.
• NS = Nominal Size

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31- 08 -12

Baumer
Passion for Sensors

BQ

Differential Pressure Gauge
Bellow type

Range Table

Note : We offer Pressure, Vacuum and Compound ranges in Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or scales as per the requirement can be provided on request. Following are the example tables for kg/cm² & psi scales

Pressure range (Single Scale)

Low Pressure	High Pressure			Accessories
mmWC	kg/cm²	kg/cm²	kg/cm²	**Manifolds**
0/4000	0/1	0/2	0/4	(Refer Individual Datasheet for complete specifications)
0/6000	0/1.6	0/2.5	0/6	

Note : Other Scale are available on customer request.

How To Order			Example
Basic Model			BQ
Code			
Nominal Size	**H**		X
	150 mm		
Type of Mounting			
1 Wall / surface / projection mounting with bottom entry **6** 2" pipe / yoke mounting with bottom entry (mounting bracket will be provided of steel epoxy painted.)			X
Process Connection			
4NM ½" NPT (M) x 2 Nos.(Standard)			XXX
Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request. Consult factory for price & delivery.			
Bellow			
GU AISI 316L SS (Standard)			XX
Range			
Refer range table			0 / 2 kg/cm²
Optional Extras			
PS AISI 316 SS case & bezel **PY** Dampening liquid glycerin♦ **QA** Dampening liquid silicon oil**♦ **RH** Custom designed dial **SW** Dial tag marking **SX** SS tag plate **SJ** Maximum reading pointer with plexi glass (for dry version)*	**TF** Conformity as per NACE standard **PU** Calibration certificate traceable to National / International standards **PW** Five point calibration certificate **GH** Material test certificates# **JU** 2" pipe/yoke mounting bracket & 'U' clamp (AISI 304 SS) **FN** 2" pipe/yoke mounting bracket & 'U' clamp (AISI 316 SS) **RZ** Toughened glass		XX

* For ranges 2.5 kg/cm² and above. ** BOD Gasket & Plug Viton. ♦ Suitable for ranges 1 bar to 6 bar

Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.

Note : For selection of Diaphragm Seals, refer individual data sheets.

(The capillary length shall be maximum up to 3 meters & range shall be above 1 kg/cm².)

Ordering Example: BQ . X . X . XXX . XX . 0/2 kg/cm² . XX

For other optional items, please contact factory for delivery and minimum quantity of order.

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31- 08 -12

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