

POLYPROPYLENECASE PRESSUREGAUGE (4 1/2")

SOLID FRONT





SPECIAL FEATURES

- POLYPROPYLENE CASE WITH SS MEASURING SYSTEM
- WETTED PARTS AISI 316L STAINLESS STEEL
- ACCURACY <u>+</u> 0.5% F. S.
- SOLID FRONT DESIGN FEATURES BAFFLE WALL INTERPOSED BETWEEN THE SENSING SYSTEM, THE WINDOW AND A PRESSURE RELIEVING BACK FOR INCREASED SAFETY
- STANDARD FOLLOWED ANSI/ASME B 40.100



SUITABLE FOR HIGH PRESSURE GAS, CORROSIVE / HAZARDOUS ENVIRONMENT THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.

SPECIFICATIONS

STANDARD VERSION: 41/2"

Accuracy : ± 0.5% F. S. (As per ANSI B40.100)

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 \leq 600 bar : 115% of Max. Scale Value : > 600 to \leq 1600 bar : 110% of Max. Scale Value

Case : Fibre Glass Reinforced Polypropylene

Bourdon: AISI 316L SSSocket: AISI 316L SSMovement: AISI 304 SS

Joints : Tig Argon Arc Welding

Protection : IP 65

Dial: Aluminium, black graduation on white backgroundPointer: Aluminium, black Coloured, Micrometer Zero Adjustable

Window : Shatterproof/Safety Glass

Blow off Disc : AISI 304 SS Gasket : Neoprene

DRY BUT FILLABLE VERSION (OPTION FG)

Fillable Dampening Liquid: Glycerine 99.7%

Ambient Temperature: Maximum 65°C

Process Temperature: Maximum 65°C

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

Dampening Liquids : Glycerine 99.7%

(Others available as Option)

Other Features : Refer Specification

Of Standard Version

Protection : IP 65

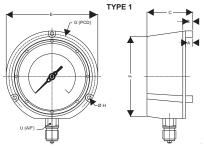
Temperature effect:

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 : \pm 0.04 x (t2 - t1) % of F. S. where t1 = reference temperature (+20°C) and t2 = ambient temperature in °C.

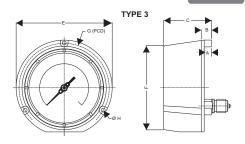


DIMENSIONS - STANDARD VERSION

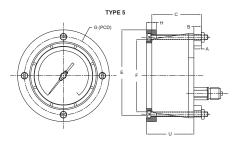




	NS	Α	В	C	Е	F	G	Н	U	Weight in gram (With BOX)	Weight in gram (With Glycerin & Box)
ı	4½"	12.5	24.5	73.5	148	130	137.5	6	22	900.00	1300.00



NS	Α	В	С	Е	F	G	Н	U	Weight in gram
									(With BOX)
41/2"	12.5	24.5	73.5	148	130	137.5	6	22	850.00



NS	Α	В	С	Е	F	G	Н	U	Weight in gram(with
BO	k)								

Notes: • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size • H - Arrangement for Mounting type 1
• Weights mentioned are approximate and for standard product. Weight can be different after selection of options.

RANGE TABLE

Note: Waaree offers 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

PRESSURE RANGE

SINGLE SCALE (kg/cm² o	r 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	0/2100
0/2.5	0/16	0/100	0/600	

DUAL SCALE	(kg/cm² with psi)				
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	0/400
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	0/30000	0/2000

VACUUM & COMPOUND RANGE

DUAL SCALE								
inHg with psi	mmHg with kg/cm ²	inHg with psi	mmHg with kg/cm ²	inHg with psi	mmHg with kg/cm ²			
- 30/0	- 760 / 0	- 30/60	- 760 / 3	- 30/200	- 760 /15			
- 30/15	- 30/15 - 760 / 1		- 760 / 6	- 30/300	- 760 / 20			
- 30/30	- 760 / 2	- 30/150	- 760 / 9	- 30/350	- 760 / 24			
SINGLE SCALE (kg/cm²)								
- 1/0		- 1/1.5	- 1/5		- 1/15			
- 1/0.6		- 1/3	- 1/9		- 1/24			

ACCESSORIES (Refer Datasheet for complete specifications)

EB	COOLING TOWER	EC	GAUGE COCK	ED	OVER LOAD PROTECTOR (GAUGE SAVER)**
*	NEEDLE VALVE	EG	SNUBBER	EH	SIPHON

^{*} Refer catalogue for Valves & Manifolds. ** For Pressure Ranges.





HOW TO ORDER								
ВА	SIC MODEL			АН				
СО	DE							
NOI	MINAL SIZE	G						
		4 ½"		X				
TYP	PE OF MOUNTING							
3	WALL / SURFACE / PROJECTION MOUNTING WITH EDIRECT LOWER BACK ENTRY (NEVER FILLABLE) LOWER BACK ENTRY WITH FRONT FLANGE	воттс	M ENTRY	X				
GAL	JGE CONNECTION							
	1/2" BSP (M) STANDARD 1/4" NPT (M) STANDARD 1/2" NPT (M) STANDARD : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can	be prov	ided on request.	XXX				
RAN	NGE ER RANGE TABLE			0/10				
ОРТ	IONAL EXTRAS			kg/cm ²				
OB TI PW PU RH SG SW SX TB RR ST SD	ACCURACY 1.0% 0F F.S. MONEL BOURDON & SOCKET (MONEL VERSION)** FIVE POINT CALIBRATION CERTIFICATE CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS CUSTOM DESIGNED DIAL OXYGEN SERVICE (FOR DRY VERSION) DIAL TAG MARKING SS TAG PLATE HELIUM LEAK TEST ENCLOSURE PROTECTION IP 66 FIBRE GLASS REINFORCED POLYPROPYLENE BOD AISI 316 SS MOVEMENT	RX TF FS FG SF QB FL PZ PX PY QA ZL GH	SHATTERPROOF / SAFETY GLASS CONFORMITY AS PER NACE MR 0175 FILLABLE LIQUID SILICON OIL* FILLABLE LIQUID GLYCERINE MOVEMENT WITH DAMPENING JELLY INTEGRAL DAMPENING SCREW (AISI 316 SS) INTEGRAL DAMPENING SCREW (MONEL)** DAMPENING LIQUID MINERAL LIQUID FILLED DAMPENING LIQUID FLOUROLUBE FILLED DAMPENING LIQUID GLYCERINE FILLED DAMPENING LIQUID SILICON OIL FILLED* OVER RANGE PROTECTION 150% OF F. S. MATERIAL TEST CERTIFICATES***	XX				

^{*} Gasket & Filling plug of NBR. Refer Price List for Viton.

Ordering Example: AH - X - X - 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.



^{**}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.