

# SS CASE TEST GAUGE(ACC ± 0.25%)

## SOLID FRONT



IPS-PG-07

### SPECIAL FEATURES

- SOLID FRONT DESIGN FEATURES BAFFLE WALL INTERPOSED BETWEEN THE SENSING SYSTEM & THE WINDOW, AND A PRESSURE RELIEVING BACK FOR INCREASED SAFETY.
- STAINLESS STEEL CASE & HIGH PRECISION MEASURING SYSTEM
- HIGH RESOLUTION DIAL
- ANTI PARALLAX MIRROR BAND (EYE FRIENDLY)
- SOCKET DIRECTLY WELDED TO CASE
- STANDARD FOLLOWED IN GENERAL EN 837-1
- CALIBRATION CERTIFICATE WITH TRACEABILITY TO NATIONAL / INTERNATIONAL STANDARDS.

### APPLICATIONS

CALIBRATION / TESTING IN LABORATORY, FITS FOR VARIOUS PROCESS INDUSTRIES AND ALL GASEOUS / LIQUID MEDIA THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.

### SPECIFICATIONS

#### STANDARD VERSION : 150 mm

Accuracy	: ±0.25% of F. S. (At +20 °C)
Ambient temperature	: Maximum 65°C
Process temperature	: Maximum 65°C
Operating Pressure Range	: 75% of the Scale Value

Case & Bezel	: AISI 304 SS (Solid Front) (Bayonet Type)
Bourdon	: Beryllium Copper
Socket	: AISI 316L SS
Movement	: High Precision Jewel Bearing Type
Integral Dampening Screw	: AISI 316 SS

Protection	: IP 65
Dial	: Aluminum, Green with Black Marking & Anti Parallax Mirror Band
Pointer	: Balanced, Knife-Edge Micrometer Adjustable
Pointer Stopper	: Spring Type
Gasket	: Neoprene
Welding	: Alloy Brazing
Window	: Shatter proof / Safety Glass
Blow Off Disc	: AISI 304 SS
Carrying Case	: Wooden carrying case
Calibration Certificate	: Calibration Certificate traceable to National/ International standard.

#### 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 :  $\pm 0.04 \times (t_2 - t_1) \% \text{ of F. S.}$

where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.



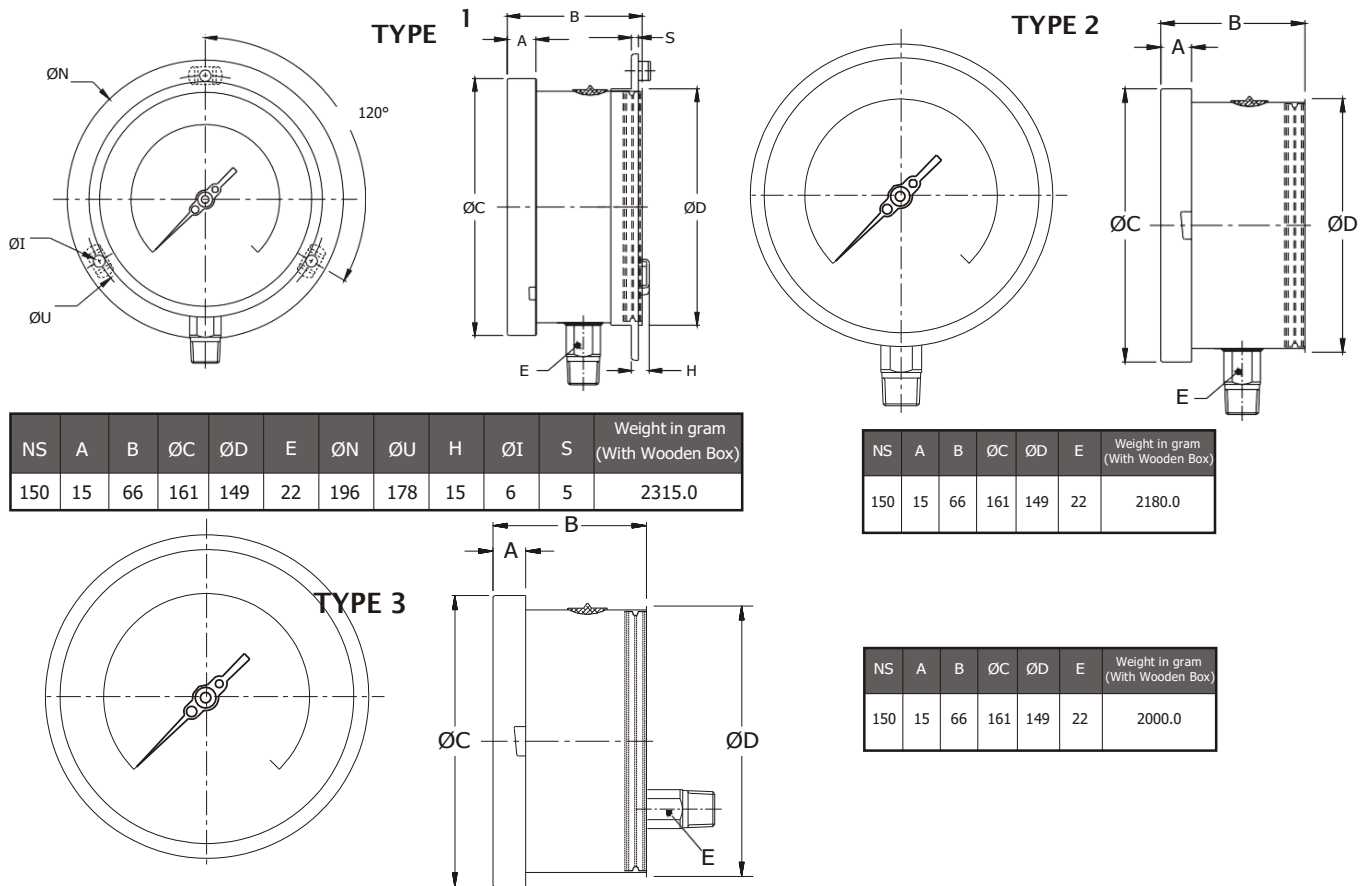
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CIN : U52399MH2021PTC368555

**DIMENSIONS - STANDARD VERSION**

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

**RANGE TABLE**

**Note :** IPSPL offers National / International Scales like kPa, MPa, bar, psi, kg/cm<sup>2</sup> & 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<sup>2</sup> or bar**

**PRESSURE RANGE**

SINGLE SCALE (kg/cm <sup>2</sup> or bar)				
0/0.6	0/4	0/25	0/160	0/1000
0/1	0/6	0/40	0/250	
0/1.6	0/10	0/60	0/400	
0/2.5	0/16	0/100	0/600	

DUAL SCALE (kg/cm <sup>2</sup> with psi)					
psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>
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		
0/300	0/20	0/3000	0/200		

**VACUUM RANGE**

SINGLE SCALE	
RANGE (kg/cm <sup>2</sup> or bar)	RANGE (mmHg)
- 1/0	- 760/0

**ACCESSORIES (Refer Datasheet for complete specifications)**

ED OVER LOAD PROTECTOR (GAUGE SAVER)**	* NEEDLE VALVE
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\* Refer catalogue for Valves & Manifolds.

\*\* For Pressure Range.

**Note :** Other Scale are available on customer request. Please refer to factory.  
: Compound ranges are not preferred.

## HOW TO ORDER

BASIC MODEL  
CODE

IPS-PG-07

## NOMINAL SIZE

H

150 mm

X

## TYPE OF MOUNTING

- 1 WALL/ SURFACE/ PROJECTION MOUNTING WITH BOTTOM ENTRY
- 2 DIRECT BOTTOM ENTRY
- 3 DIRECT LOWER BACK ENTRY

X

## GAUGE CONNECTION

- 4BM 1/2" BSP (M) STANDARD  
 2NM 1/4" NPT (M) STANDARD  
 4NM 1/2" NPT (M) STANDARD

XXX

Note : Female Gauge Connections are available on request.

## RANGE

REFER RANGE TABLE

0-10  
kg/cm<sup>2</sup>

## OPTIONAL EXTRAS

- RH CUSTOM DESIGNED DIAL  
 SW DIAL TAG MARKING  
 SX SS TAG PLATE

TB HELIUM LEAK TEST

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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.

Due to continuous development of our products technical information's are subject to change.

Please ensure the compatibility between the measured medium and the contacting part of the product when placing an order.

IPSPL reserves the right to make any change in this datasheet without notice. The information provided is believed to be accurate and reliable as of this product sheet.

Contact factory for custom configurations not shown



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