

Pressure Measurement & Control  
Temperature Measurement & control  
≤150°C Cable 80 kg/cm<sup>2</sup>

Process Control Instrument  
Flow Measurement & Control  
Conductive liquid / Slurry  
10 μm/cm<sup>2</sup>  
Duplex  
RTD Pulsed DC  
ss 316 L ss304

**aaavad**<sup>©</sup>  
**INSTRUMENT**

K Type  
Pt 100  
Triclover  
Relay  
Flameproof  
Simplex

Portable Instruments  
Hastelloy C

**Pressure / Temperature Gauge**

**VALUE OF WORDS**



## Utility pressure gauge

<b>Dial Size</b>	250 / 150 / 100 / 63 / 50 / 40 mm	<b>Pointer</b>	Aluminum
<b>Range</b>	Vacuum, Compound, 0-1 Kg/cm <sup>2</sup> to 0-420 Kg/cm <sup>2</sup>	<b>Dial</b>	Aluminum, Black numerals in White back-ground
<b>Configuration</b>	Bourdon Tube	<b>Dampening Liquid</b>	Without glycerin
<b>Shape of Bourdon</b>	'C' Type / Helix Type	<b>Joint</b>	Soldering
<b>Case &amp; Bezel</b>	Drawn Steel Black Coated	<b>Glass</b>	Shatterproof / Toughened glass, Acrylic / plain glass
<b>Movement</b>	Brass	<b>Over-range protection</b>	30% above FSD
<b>Bourdon</b>	Brass	<b>Accuracy</b>	±1.6% FSD
<b>Socket</b>	Brass	<b>Operation Temperature</b>	-40~80 °C
<b>Connection</b>	1/8", 1/4", 3/8", 1/2" BSP/NPT (M/F)	<b>Enclosure Protection</b>	IP-55, IP-65 (filled)
<b>Mounting</b>	Bottom / Back direct, Bottom Surface, Back Panel, Back Bracket Mounting	<b>Standard</b>	IS:3624, EN 837



## Industrial heavy duty pressure gauge

<b>Dial Size</b>	250 / 150 / 100 / 63 / 50 / 40 mm	<b>Pointer</b>	Aluminum Black Colored Micrometer zero adjustable
<b>Range</b>	Vacuum, Compound, 0....1 Kg/cm <sup>2</sup> to 0....1500 Kg/cm <sup>2</sup>	<b>Dial</b>	Aluminum, Black numerals in White background
<b>Configuration</b>	Bourdon Tube	<b>Dampening Liquid</b>	Glycerin with leak proofing and Weather Proof both Available
<b>Shape of Bourdon</b>	'C' Type / Helix Type	<b>Joint</b>	Argon Arc Welded
<b>Case &amp; Bezel</b>	AISI SS 304, Self Color Finish	<b>Glass</b>	Shatterproof / Toughened glass, Acrylic
<b>Movement</b>	AISI SS 304	<b>Over-range Protection</b>	30% above FSD
<b>Bourdon</b>	AISI SS 316	<b>Accuracy</b>	±1.0% FSD
<b>Socket</b>	AISI SS 316	<b>Operation Temperature</b>	-40~200 °C
<b>Connection</b>	1/8", 1/4", 3/8". 1/2" BSP/NPT (M/F)	<b>Enclosure Protection</b>	IP-55, IP-65 (filled)
<b>Mounting</b>	Bottom / Back direct, Bottom Surface, Back Panel, Back Bracket Mounting	<b>Standard</b>	IS:3624, EN 837
<b>Blow off Disc</b>	Yes, Neoprene		

**FLANGED  
DIAPHRAGM PG**



**SCHAFFER  
DIAPHRAGM PG**



**TRICLOVER  
PG**



**COMPACT  
SEALED DIA PG**



**SEALED  
DIAPHRAGM PG**



## Diaphragm type pressure gauges

<b>Dial Size</b>	250 / 150 / 100 / 63 mm	<b>Pointer</b>	Aluminum Black Colored Micrometer zero adjustable
<b>Range</b>	Vacuum, Compound, 0-1 Kg/cm <sup>2</sup> to 0-420 Kg/cm <sup>2</sup> , 0-500mmWC to 0-10000mm WC	<b>Dial</b>	Aluminum, Black numerals in White background
<b>Configuration</b>	Sealed Diaphragm, Compact Sealed Diaphragm, Schafer Diaphragm, Capsule Diaphragm	<b>Dampening Liquid</b>	Glycerin with leak proofing and Weather Proof both Available
<b>Optional</b>	PTFE/Teflon coating / lining	<b>Joint</b>	Argon Arc Welded
<b>Case &amp; Bezel</b>	AISI SS 304, Self Color Finish	<b>Glass</b>	Shatterproof / Safety glass, Acrylic
<b>Movement</b>	AISI SS 304	<b>Over-range</b>	30% above FSD
<b>Bourdon</b>	AISI SS 316	<b>Accuracy</b>	±1.6% FSD
<b>Socket</b>	AISI SS 316	<b>Operation Temperature</b>	-40~200 °C
<b>Connection</b>	1/4", 3/8", 1/2" BSP/NPT (M/F), Flanged	<b>Enclosure Protection</b>	IP-55, IP-65 (filled)
<b>Mounting</b>	Bottom/Back Direct/Flanged, Triclover clamp	<b>Standard</b>	IS:3624, EN 837
<b>Blow off Disc</b>	Yes, Neoprene		



## Mercury / Gas filled temperature gauges

<b>Dial Size</b>	250 / 150 / 100 / 63 mm	<b>Capillary Length</b>	as per customer requirement
<b>Range</b>	-20 ~ 600 °C	<b>Capillary Diameter</b>	Min. 6 mm
<b>Configuration</b>	Mercury-in-Steel / Gas filled	<b>Optional</b>	SS 304 Armor Capillary
<b>Case &amp; Bezel</b>	SS 304, Weather proof	<b>Connection</b>	1/4", 3/8", 1/2" BSP/NPT (M) adjustable throughout stem length
<b>Movement</b>	SS 304	<b>Mounting</b>	Bottom/Back Direct, Back Panel, Bottom Surface Mount, Back Bracket
<b>Stem</b>	SS 316	<b>Pointer</b>	Aluminum
<b>Stem Length</b>	as per customer requirement	<b>Dial</b>	Aluminum with Black numerals in White background
<b>Stem Diameter</b>	Min. 6 mm	<b>Glass</b>	Shatterproof / Toughened glass, plain glass
<b>Capillary</b>	ss 316	<b>Accuracy with Capillary</b>	±1.6 % FSD
<b>Standard</b>	IS 13211	<b>Accuracy without Capillary</b>	±1.0 % FSD



## Bi-metal temperature gauges

<b>Dial Size</b>	150 / 100 / 63 mm	<b>Connection</b>	1/4", 3/8", 1/2" BSP/NPT (M) adjustable throughout stem length
<b>Range</b>	-20 ~ 400 °C	<b>Mounting</b>	Bottom/Back Direct, Every angle
<b>Configuration</b>	Bi-Metal Strip	<b>Pointer</b>	Aluminum
<b>Case &amp; Bezel</b>	SS 304, Weather proof	<b>Dial</b>	Aluminum with Black numerals in White background
<b>Movement</b>	SS 304	<b>Glass</b>	Shatterproof / Toughened glass, Plain glass
<b>Stem</b>	SS 316	<b>Accuracy</b>	±1.6 % FSD
<b>Stem Length</b>	as per customer requirement	<b>Standard</b>	IS 13211
<b>Stem Diameter</b>	Min. 6 mm		

## Master / test gauge

Dial Size	: 250 / 150 mm
Range	: Vacuum to 1500 Kg/cm <sup>2</sup>
Configuration	: Bourdon Tube
Connection	: 1/4", 3/8", 1/2" BSP/NPT (M/F)
Mounting	: Bottom/Back Direct
Accuracy	: ±0.25% (Master) / ±0.50% FSD (Test)
Operation Temperature	: -40 ~ 300 °C
Enclosure Protection	: IP-55, IP-65 (filled)
Standard	: IS:3624, EN 837

**\*All other specifications remain same as Heavy Duty Pressure**



## Homogenizer gauge

Dial Size	: 150 / 100 mm
Range	: 0...1000 Kg/cm <sup>2</sup>
Configuration	: Diaphragm
Diaphragm	: SS 316L Tig Welded Bright Finish
Pointer	: Leaded brass, black coated
Gasket	: Nitril (Food Grade)
Seal flange	: SS 316
Accuracy	: ±1.6 % FSD
Mounting	Direct, Square Clamp type, Tung type direct / Capillary SMS mounting

**\*All other specifications remain same as Heavy Duty Pressure Gauges**



## Mud pressure gauge

Nominal Dia	: 150 / 100 mm
Range	: 0-1000 Kg/cm <sup>2</sup>
Construction	: Heavy duty steel construction
Accuracy	: ±2% FSD
Pressure Connection	: 1", 3/2" and 2" BSP, API and NPT connections
Mounting	: Bottom connection Direct Mounting
Pressure Element	: Bourdon Tube SS 316
Wetted parts	: SS 316
Case	: SS 304
Bezel	: SS 304





## Electric contact gauges

Electric Contacts are available in both kind of Gauges

- (1) Electric Contact Pressure Gauge
- (2) Electric Contact Temperature Gauge

Electric Contacts Available	:	1 NO, 1 NC, 1NO + 1NC, 2 NO, 2 NC, 1NO + 2NC, 2NO + 1NC (NO: Normally Open, NC: Normally Closed)
Contacts Rating	:	220 V AC/DC, 1 Amp Max
Color Codes of wire	:	Green, Red and Yellow
Accuracy	:	±1.6 % FSD



\*All the specifications will remains same as that of Heavy Duty Pressure Gauge and MST Temperature Gauge for Electric Contact Pressure and Temperature Gauges respectively.

## Maximum reading pointer pressure gauge

MRP GAUGE (Maximum Reading Pointer Pressure Gauge) is designed to show highest Pressure Value of measurement throughout its operation.

Dial Size	:	100 / 150 mm
Accuracy	:	±1.6 % FSD

\*All the specifications will remains same as that of Heavy Duty Pressure Gauge for MRP Pressure Gauges.



## Comparison test pump

- Stainless Steel Construction
- An Ideal Tester to calibrate Pressure Gauges for up to 2000 Kg/cm<sup>2</sup>
- Can be used for Pneumatic and Hydraulic mediums
- Range -1 to 2000 kg/cm<sup>2</sup>
- Heavy Duty material construction, Low Weight and Compact Design makes it Portable Tester





C/W



SSS/DBB



40/50/..150/250



BO/BC/PM/SM/BR



## Ordering Code

①

### TYPE OF GAUGE

- C : Commercial Gauge (used for UTILITY GAUGE only)
- W : Weather Proof to IP 65 (used for HEAVY DUTY GAUGE only)
- GF : Glycerin Filled (used for HEAVY DUTY GAUGE only)
- SD : Sealed Diaphragm Pressure Gauge
- HSD : Homogenizer Sealed Diaphragm Pressure Gauge
- MPG : Master Pressure Gauge
- DPG : Differential Pressure Gauge
- ECG : Electric Contact Gauge
- MTG : Mercury filled Temperature Gauge
- BMT : Bi-Metal Temperature Gauge

②

### Dial Size

40 / 50 / 63 / 100 / 150 / 250 mm

③

### MOC: Material of Housing, Material of Movement, Material of Wetted Parts

- D : Drawn Steel Black Coated (for UTILITY GAUGE only)
- B : Brass (for UTILITY GAUGE only)
- S : Stainless Steel

④

### PROCESS ENTRY AND MOUNTING

- BO : Bottom Entry Direct Mounting
- BC : Back Entry Direct Mounting
- PM : Back Entry Panel Mounting
- SM : Bottom Entry Surface Mounting
- BR : Back Entry Bracket Mounting

# YOUR HELPING HANDS

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