

Process Control Instrument

Flow Measurement & Control

Conductive liquid / Slurry

10 $\mu\text{m}/\text{cm}^2$

Duplex

RTD Pulsed DC

ss 316 L ss304

Pressure Measurement & Control
Temperature Measurement & control
 $\leq 150^\circ\text{C}$ Cable 80 kg/cm²

aaavad[®]
INSTRUMENT

Flameproof

Simplex

K Type

Pt 100

Triclover

Relay

Portable Instruments

Hastelloy C

VALUE OF WORDS

Pressure / Temperature Gauge



Utility pressure gauge

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



Industrial heavy duty pressure gauge

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

**FLANGED
DIAPHRAGM PG**



**SCHAFFER
DIAPHRAGM PG**



**TRICLOVER
PG**



**COMPACT
SEALED DIA PG**



**SEALED
DIAPHRAGM PG**



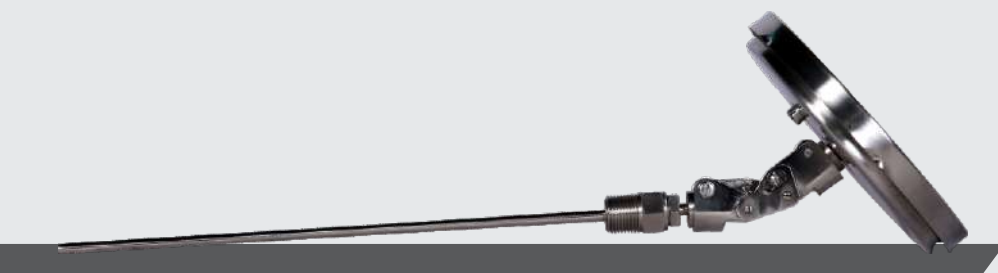
Diaphragm type pressure gauges

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



Mercury / Gas filled temperature gauges

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



Bi-metal temperature gauges

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

Master / test gauge

Dial Size	: 250 / 150 mm
Range	: Vacuum to 1500 Kg/cm ²
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 ²
Configuration	: Diaphragm
Diaphragm	: SS 316L Tig Welded Bright Finish
Pointer	: Lead 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 ²
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/cm²
- Can be used for Pneumatic and Hydraulic mediums
- Range -1 to 2000 kg/cm²
- 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



Temperature



Pressure



Flow



Process

AAVAD PRODUCT BASKET



Cable



Instrument & Accessories



Level



Other Products



AAVAD INSTRUMENT PRIVATE LIMITED

since 2009

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Manufacturer Of Electromagnetic Flow Meter, Piezo Meter, Pressure Gauge, Temperature Gauge, RTD Sensors, Thermocouple & Thermowell