



AKVALO INSTRUMENTS PVT. LTD.

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Authorised Dealer :-



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Committed to Create Yardsticks in Quality & Innovation





Corporate Synopsis

Akvalo Instruments Pvt. Ltd. began operations in 2002 backed by the superlative enterprising efforts of its Managing Director, Mr. C. V. Lohi. His vast industrial experience of over 35 years in the field of pneumatic instruments, which includes over two decades in the R&D and production departments of various leading manufacturers of pressure and temperature instruments, has contributed immensely to the company's growth.

Today, the company is renowned for providing quality pressure gauges, temperature gauges, testing equipments & accessories to some of India's largest and most quality conscious markets.

Under One Roof

Akvalo Instruments boasts of comprehensive in-house facilities for the manufacturing of various types of Pressure, Temperature, Testing & Calibrating Equipments. The company's state-of-the-art manufacturing unit is located in the designated electronic zone at Industrial Estate in Gandhinagar, Gujarat.

Human Resources

The team at Akvalo Instruments Pvt. Ltd. has been a dominant accelerator in the process of its success. The company has a highly motivated and efficient work force that continuously strives to provide the finest possible services to the customers. Also in support are other management experts like Mr. Sujith G. Pillai who is looking after the international & domestic marketing activities. Further, Akvalo Instrument's human resource comprises a team of managers, researchers and several other professionals with tremendous expertise in the areas of production, administration and logistics.

Quality Policy

Akvalo Instruments is essentially a customer-focused venture, dedicated to securing leadership through an unhindered commitment to quality. As a matter of fact, the company's exponential growth is attributed greatly to its conformity of quality control regimes. To every employee, this implies aiming for incessant improvement in all business operations and consistently delivering quality products and services, to ensure an unsurpassed feeling of satisfaction for all the customers.

The company believes in serving the customers in the shortest possible time at low cost and without compromising on quality.

Research & Development

R&D plays an integral part in bringing out the innovation in the field of pressure & temperature instruments and Akvalo Instruments has been adapting extensive R&D activities to meet the demands of its clients.

At Akvalo Instruments, new doors are constantly being opened to a positive and progressive future. A well equipped Research & Development division has all the modern testing equipments and a well qualified team in an arena where continuous innovations in the product range play a pivotal role.

Customized Products is our USP

Akvalo Instruments is competent to offer wide range of tailored products for Pressure and Temperature Gauges with unique design solutions be fitting customers' needs, which makes us the undisputed manufacturer of such instruments.

Vision

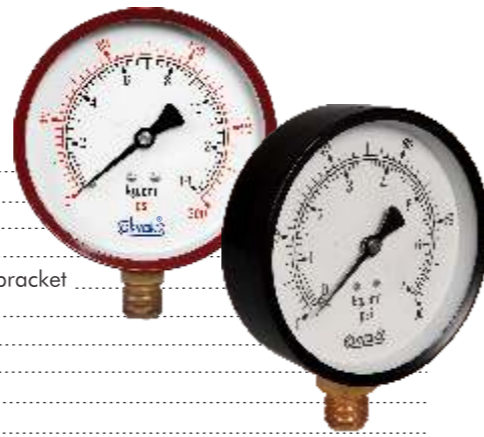
Our foresight is to make Akvalo Instruments achieve higher

Bourdon Pressure Gauges



Akvalo Commercial Gauges (ACG)

Nominal Size(mm)	40, 50, 63, 80, 100, 150, 200, 250
Scale Range	0.. Vacuum to 700 kg/cm ² & above on request
Accuracy in FSD	2% & 2.5%
Thread Connection	1/8", 1/4", 3/8", 1/2" BSP
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 holes, Panel with bracket
Case and Bezel	Drawn steel (SS 304-On Request)
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	Brass (SS 304- On Request)
Application	Pneumatic control system, Air conditioning



Akvalo Square Gauges (ASG)

Nominal Size(mm)	100 (Square 96 x96)
Scale Range	0.. Vacuum to 700 kg/cm ² and above on request
Accuracy in FSD	1% , 1.6% & 2%
Thread Connection	3/8" 1/2" BSP & NPT, other on request
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 holes, Panel with bracket
Case and Bezel	SS 304 and Other on Request
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 304, SS.316 and other material on request



Akvalo Economical Gauges (AEG)

Nominal Size(mm)	40, 50, 63, 80, 100, 150
Scale Range	0.. Vacuum to 700 kg/cm ² and above on request
Accuracy in FSD	1.6% & 2% for filled gauges (2.5% for 40mm & 50mm)
Thread Connection	1/8", 1/4", 3/8" BSP & NPT
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 holes, Panel with bracket
Case and Bezel	Drawn steel, SS 304
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	Brass, SS 304
Application	Chemical, Plastic, Paper Pneumatic Control System and Air conditioning
Optional	Liquid Filled



Akvalo Electric Contact Gauges (AEL)

Nominal Size(mm)	100, 150
Scale Range	0.. Vacuum to 700 kg/cm ² and above on request
Accuracy in FSD	1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT, M-20
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 Holes, Panel with Bracket
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 316 and other material on request
Application	Pneumatic control system, Air conditioning Pumps, Chemical & Petrochemical, Water treatment
Electric Contact	1NO, 1NC, 1NO+1NC, 1NC+1NO (230 V AC/110 V DC Max, Current 1 Amp) Liquid filled on request



Akvalo Industrial Gauges (AIG)

Nominal Size(mm)	63, 80, 100, 150, 200, 250
Scale Range	0.. Vacuum to 1400 kg/cm ² and above on request
Accuracy in FSD	1% (1.6% for 63mm)
Thread Connection	1/8", 1/4", 3/8" 1/2" BSP & NPT, M-20
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 holes, Panel with bracket
Case and Bezel	SS 304, SS 316
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 316 and other material on request
Application	Chemical & Petrochemical, Plastic & Paper Pneumatic Control System, Air conditioning
Optional	IBR Approved, Liquid Filled, External Zero Adjustment



Akvalo Chemical Sealed Gauges (ACS)

Nominal Size(mm)	63, 100, 150, 250
Scale Range	0.. Vacuum to 700 kg/cm ² & above on request
Accuracy in FSD	1% & 1.6%
Thread Connection	3/8", 1/2", BSP & NPT, M-20 and Flanged connection
Mounting of Gauge	Bottom, Surface and other on request
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316, SS 316L, Teflon, Monel, Hastalloy & other on request
Application	Chemical and Petrochemical, Plastic and paper, Pharmaceutical, Water treatment.
Optional	Electric Contact, Back Mounting & Liquid Filled



Akvalo Test Gauges (ATG)

Nominal Size(mm)	150, 200, 250
Scale Range	0.. Vacuum to 0.6 to 0.. 1400 kg/cm ²
Accuracy in FSD	0.5% & 0.25%
Thread Connection	3/8", 1/2", BSP & NPT, M-20
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304/Die cast Aluminum
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 316
Application	Testing & calibration
Features	Mirrored Scale Dial & Knife edge pointer



Akvalo Compact Sealed Gauges (ACO)

Nominal Size(mm)	63, 100
Scale Range	0.. to 0.6..to 100kg/cm ²
Accuracy in FSD	1% & 1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT, M-20
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 304 & SS 316
Application	Chemical and Petrochemical, Plastic and paper, Pharmaceutical, Water treatment.
Optional	Back Mounting & Liquid Filled



Diaphragm Sealed Gauges



Akvalo SMS Connection Gauges (ASM)

Nominal Size(mm)	63, 100, 150, 250
Scale Range	0.. to 0.6...to 60 kg/cm ²
Accuracy in FSD	1% & 1.6%
Thread Connection	Screwed (SMS)
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 304 and SS 316
Application	Chemical and Petrochemical, Plastic and paper, Pharmaceutical, Dairy
Optional	Back Mounting, Electric Contact & Liquid Filled



Diaphragm Sealed Gauges



Akvalo Remote Sealed gauges (ARC)

Nominal Size(mm)	80, 100, 100 (square 96 X 96), 150
Scale Range	0.. to 1500 kg/cm ²
Accuracy in FSD	1% & 1.6%
Thread Connection	Universal Threads and Flanged Connection
Mounting of Gauge	Bottom, Surface, Back, Panel with 3 holes, Panel with bracket
Case and Bezel	SS 304, Other on request
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316, SS316L, Teflon, Monel and Hastalloy
Application	Chemical and Petrochemical, Plastic and paper, Food and Beverage
Optional	Upto 10 Mtrs SS 316 Capillary, Electric Contact and Liquid Filled



Akvalo Homogenizer Gauges (AHG)

Nominal Size(mm)	100, 150
Scale Range	0..100 to ..0..to 2000 kg/cm ²
Accuracy FSD	1% & 1.6%
Connection	With / Without Clamp Type / Screwed Type
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316, other material on request
Application	Pharmaceutical, Food & Beverages, Dairy
Optional	Rectangular Clamp, Remote Capillary, Electric Contact & Liquid Filled



Akvalo Mud Gauges (AMD)

Nominal Size(mm)	100, 150
Scale Range	0..10 to 1000 kg/cm ²
Accuracy in FSD	1% & 1.6%
Thread Connection	3/4", 1", 1 1/2", 2" BSP & NPT Screwed or as per requirement
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304 or as per requirement
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316 and other material on request
Application	For High viscosity Media, Pulp, Grease, Mud, media in paste form or their propensity to crystallize
Optional	Liquid Filled



Akvalo Capsule Sealed Gauges (ACP)

Nominal Size(mm)	100, 150
Scale Range	0.. to 2000 kg/cm ²
Accuracy FSD	1% & 1.6%
Connection	Screwed
Mounting of Gauge	Bottom, Surface
Case and Bezel	SS 304
Pressure Elements	Tongue Type Capsule
Diaphragm	Nil
Wetted Parts	SS 316, other material on request
Application	Chemical and Petrochemical, Plastic, Paper, Dairy and Food & Beverages
Optional	Electric Contact & Liquid Filled



Akvalo Flanged Sealed Gauges (AFS)

Nominal Size(mm)	63, 100, 150
Scale Range	0..0.6 to 1500 kg/cm ²
Accuracy in FSD	1% & 1.6%
Connection	As per Standards or as per requirement
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316 and other material on request
Application	Chemical and Petrochemical
Optional	Up to 10 Mtrs SS 316 Capillary, Back Mounting & Liquid Filled



Akvalo Projected Sealed Gauges (APS)

Nominal Size(mm)	100, 150
Scale Range	0.. to ..1500 kg/cm ² & above on request
Accuracy FSD	1% & 1.6%
Connection	Flanged Type
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	Yes
Wetted Parts	SS 316, other material on request
Application	Plastic and paper
Optional	Electric Contact, Back Mounting & Liquid Filled



Akvalo Triclover Sealed Gauges (ATC)

Nominal Size(mm)	63, 80, 100
Scale Range	0..2.5 to 100 kg/cm ²
Accuracy in FSD	1% & 1.6%
Connection	40NB & 50 NB Triclover Connection, 3/8", 1/2" BSP & NPT
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304
Pressure Elements	Bourdon Tube
Diaphragm	YES
Wetted Parts	SS 316 and other material on request
Application	Chemical and Petrochemical, Pharmaceutical, Dairy and Food & Beverage
Optional	Liquid Filled and other Triclover Specifications on request



Diaphragm Gauges



Akvalo Schaffer's Diaphragm Gauges (ADG)

Nominal Size(mm)	100, 150
Scale Range	0..to 6000 mmwc Low Pressure & 0..to 0.6 to 25 kg/cm ² High Pressure
Accuracy in FSD	2% & 2.5%
Thread Connection	3/8", 1/2", BSP & NPT, M-20 and Flanged connection
Mounting of Gauge	Direct Bottom
Case and Bezel	Drawn steel, SS 304
Pressure Elements	Schaffer's Diaphragm
Diaphragm	YES
Wetted Parts	Spring Steel Teflon Coated, SS 304, SS 316 and other material on request
Application	Chemical & Petrochemical, Food & Beverage Industry, Mechanical Engineering Plant & Apparatus Construction
Optional	Teflon lining, Electric Contact and Liquid Filled



Capsule Pressure Gauges



Akvalo Low Pressure Capsule Gauges (ALP)

Nominal Size(mm)	63, 100, 150
Scale Range	0..to 250..to..6000mmwc
Accuracy (FSD)	2%
Thread Connection	3/8", 1/2", BSP & NPT and M-20
Mounting of Gauge	Direct Bottom and Other on request
Case and Bezel	Drawn Steel & SS 304
Pressure Elements	Capsule
Diaphragm	Nil
Wetted Parts	SS 304 & SS 316
Application	Chemical and Petrochemical, Water treatment, Pipelines, Gaseous Media



Differential Pressure Gauges



Akvalo Bourdon Differential Gauges (ABD)

Nominal Size(mm)	100, 150
Scale Range	0..to..1000 kg/cm ²
Accuracy (FSD)	1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT and M-20
Mounting of Gauge	Bottom, Surface
Case and Bezel	Drawn Steel & SS 304
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 304 & SS 316
Application	Gaseous & Liquid Media
Static Pressure	Same as scale range, other on request



Akvalo Diaphragm Differential Gauges (ADD)

Nominal Size(mm)	100, 150
Scale Range	0..to. 0.6 to 420kg/cm ²
Accuracy (FSD)	1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT and M-20
Mounting of Gauge	Bottom, Surface
Case and Bezel	SS 304
Pressure Elements	Diaphragm
Diaphragm	Yes
Wetted Parts	SS 304 & SS 316
Application	Level Measurement in Pressurised Vessels, Filter Plants, Pipeline Systems, Flow measurements, Gas, Water and Air Supply Lines, Chemical & Process Engineering, Mechanical Engineering, Petrochemical Industry, Food & Beverage Industry
Static Pressure	Over loadable up to 60 to 600 kg/cm ² depending the Pressure Range
Optional	Liquid Filled, Electric Contact and Flanged Connection



Special Purpose Gauges



Akvalo Fire Fighting Gauges (AFF)

Nominal Size(mm)	80,100
Scale Range	-1 to 0 bar (50% span) 0 to 25 (50% span)
Accuracy (FSD)	1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT
Mounting of Gauge	Bottom, Back
Case and Bezel	Drawn steel, SS 304
Pressure Elements	Diaphragm
Diaphragm	Yes
Wetted Parts	SS 304 and SS 316
Application	Fire Fighting Pumps, Plant Construction



Akvalo Safety Gauges (Solid Front) ASF

Nominal Size(mm)	100, 150
Scale Range	0..to..1500 kg/cm ²
Accuracy (FSD)	1% & 1.6%
Thread Connection	3/8", 1/2", BSP & NPT
Mounting of Gauge	Direct Bottom
Case and Bezel	SS 304 Solid Front
Pressure Elements	Bourdon Tube
Diaphragm	Nil
Wetted Parts	SS 304 and SS 316
Application	Chemical and Petrochemical, Plastic and paper, Air conditioning and Food & beverages
Optional	Liquid Filled



Akvalo Thermo Pressure Gauges (ATP)

Nominal Size(mm)	63, 80,100
Scale Range	Pressure: 0 to 4.2kg/cm ² to 0 to 21 kg/cm ² Temperature: 0 to 160°C
Accuracy (FSD)	1.6%
Thread Connection	1/4", 3/8", 1/2", BSP & NPT and M-20
Mounting of Gauge	Bottom, Back
Case and Bezel	Drawn Steel & SS 304
Pressure Elements	Bourdon & Bi-metal
Diaphragm	Nil
Wetted Parts	Brass, SS 304 & SS 316
Application	Hot Water Boilers & Water Heaters



Temperature Gauges



Akvalo Bi-Metallic Temperature Gauges (ABT)

Nominal Size(mm)	40, 50, 63, 80, 100, 150, 200
Scale Range	-40..to..0..to..300°C
Accuracy (FSD)	1.6%
Thread Connection	3/8", 1/2", BSP & NPT
Mounting of Gauge	Bottom, Back, Surface, Panel & All angle type
Case and Bezel	Drawn steel and SS 304
Pressure Elements	Bimetal helix
Diaphragm	Nil
Wetted Parts	SS 304 and SS 316
Application	Chemical and Petrochemical, Plastic and paper, Air conditioning and Food & beverages
Optional	Thermowell, Adjustable Connection



Akvalo Filled System Temperature Gauges - (AFT)

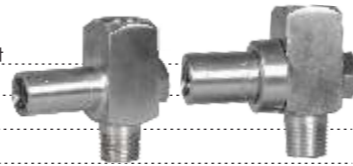
Nominal Size(mm)	63, 80, 100, 150, 200, 250
Scale Range	-40°C to 600°C
Accuracy (FSD)	1%
Thread Connection	3/8", 1/2", BSP & NPT and other on request
Mounting of Gauge	Bottom, Back, Surface, Panel & All angle type
Case and Bezel	Drawn steel, SS 304
Pressure Elements	Mercury In Metal and Gas in Metal
Diaphragm	Nil
Wetted Parts	Brass, SS 304, SS 316 & other material on request
Application	Chemical and Petrochemical, Plastic and paper
Optional	Thermowell, Electric contact & Liquid Filled



Accessories

Akvalo Gauge Saver (AGS)

Construction SS 304, SS 316, Brass, Carbon steel & Other material on request
 Thread Connections M20, 1/4", 3/8", 1/2" BSP and NPT, other threads on request
 Pressure Range..... 0 to 1kg/cm² & 0 to 1.6 to 0 to 400 kg/cm²
 Options Male to Male and Female to female connections



Akvalo Pulsation Dampener (APD)

Construction SS 304, SS 316, Brass, Carbon steel & Other Material on request
 Thread Connections M10, M12, M20 1/8", 1/4", 3/8", 1/2" BSP & NPT
 Pressure Range..... 0 to 280 kg/cm² and above ranges on request
 Options Other Threads on request



Akvalo Needle Valves (ANV)

Construction..... SS 304, SS 316, Brass, Carbon steel & Other material on request
 Thread Connections M10, M12, M20 1/8", 1/4", 3/8", 1/2" BSP & NPT
 Pressure Range..... 0 to 420 kg/cm² & above ranges on request
 Options Other Threads on request



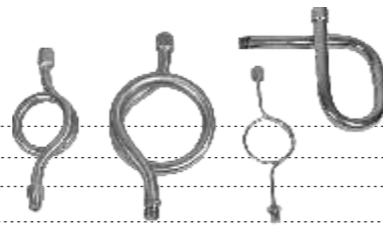
Akvalo Gauge Cock (AGC)

Construction..... SS 304, SS 316, Brass, Carbon steel & Other material on request
 Thread Connections M20, 1/4", 3/8", 1/2" BSP & NPT and Other threads on request
 Pressure Range..... 0 to 30 kg/cm² & other ranges on request
 Options..... 2 way, 3 way, 4 way, Both Male and Female, With vent hole



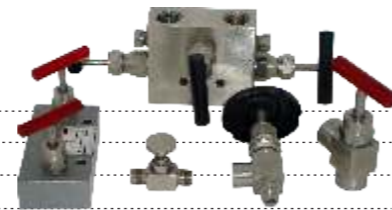
Akvalo Syphons (ASY)

Construction..... SS 304, SS 316, Carbon steel & Other material on request
 Thread Connections M20, 3/8", 1/2" BSP & NPT, other threads on request
 Pressure Range..... 0 to 100 kg/cm²
 Options Both Male and Female, IBR Approved and Different Shapes



Akvalo Manifolds (AMF)

Construction..... SS 304, SS 316, Brass, Carbon steel & Other material on request
 Thread Connections M12, M20, 1/4", 3/8", 1/2" BSP & NPT and other threads on request
 Pressure Range..... 0 to 420 kg/cm² & Above ranges on request
 Options..... 2 to 6 way, Both Male and Female, Flanged and Universal Connections

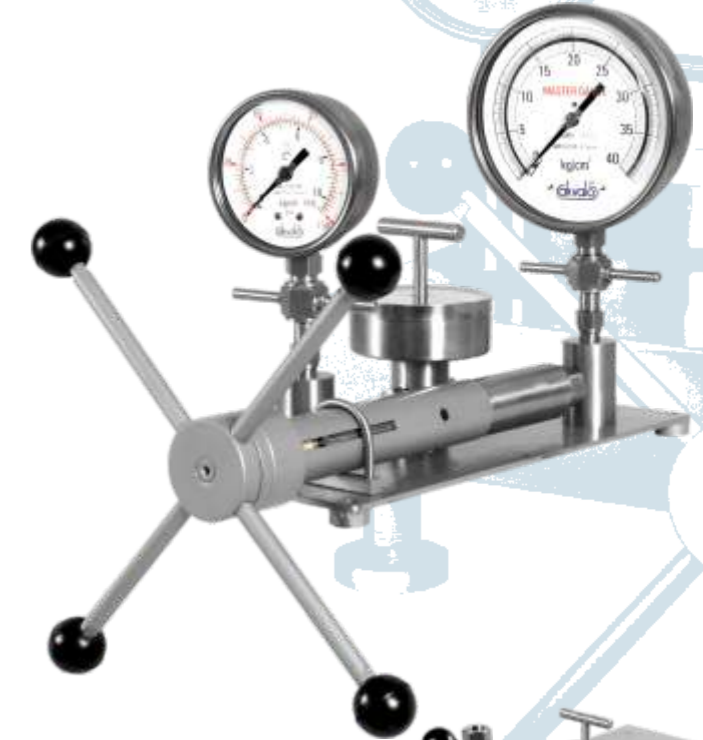


Thermowells (ATW)

Construction..... SS 304, SS 316, Brass, Carbon steel & Other material on request
 Thread Connections M20, 3/8", 1/2", 3/4" & 1" BSP & NPT and Flanged Connections
 Pressure Range As per requirement
 Options Bar Stock and Fabricated (Tig Welded)



Testing Equipments



Comparison Tester - ACT

High Efficiency
 Reliable, Economical and Durable
 Compound machine for combined checking of vacuum and air
 Ranges up to 3000 kg/cm² & above on request
 All Stainless Steel Construction
 Carbon Steel with stainless steel wetted parts Construction
 Portable machines for on site Calibration

Dead Weight Tester - ADW

High Accuracy
 Reliable, Economical and Durable
 Easy to Operate
 Accuracy up to 0.05
 All Stainless Steel
 Ranges up to 700 kg/cm²
 All Stainless Steel Construction



Other Product Ranges

- (a) Absolute Pressure Gauges, Ammonia Gauges, CNG Gauges, Receiver Gauges, Freon Gauges, Oxygen & Acetylene Gauges, All Angle Temperature Gauges.
- (b) Angle Type Needle Valves, Different Types of Non - Return Valves.