



Japsin
Instrumentation™



“DELIVERING CUSTOM TESTING & MEASURING EQUIPMENT”

ISO/IEC 17025:2017 | ISO 9001:2015 Certified Organisation

Japsin Instrumentation “JI” is serving the industry since 1974.

We are the Manufacturers, Suppliers & Exporters of Process Control Instruments.

“Ji” Instruments are widely accepted by public & private sector companies.

“Ji” products are CE approved & Our Organisation is ISO 9001:2015 Certified.

“Ji” Products includes:

- 1) Pressure Gauges
- 2) Temperature Gauges
- 3) Temperature Calibrators
- 4) Pressure Calibrators
- 5) Rotameter
- 6) Manometers
- 7) Comparison Pressure Test Pump
- 8) Dead Weight Testers
- 9) Level Gauges
- 10) Flow Instruments
- 11) Digital Instruments
- 12) Valves
- 13) Transmitter
- 14) Pressure & Temperature Recorders

All the instruments manufactured by us are CE Approved with world class Quality & Reliability.

J I PRESSURE INSTRUMENTS



INDUSTRIAL PRESSURE GAUGE

Dial Size(mm):63, 100, 150, 250
 Ranges:0. Vacuum upto 700 Kg/Cm2 & Above on Request.
 Accuracy:0.5%, 1% FSD
 Connection:1/8", 1/4", 1/2", 3/8" BSP / NPT, M-10, M-12, M-20 On Request.
 Mounting: Bottom, Back, Surface, Panel, Bracket.
 Case & Bezel: SS 304
 Wetter Parts: SS 316 & Other on Request.



SEALED UNIT DIAPHRAGM GAUGE

Dial Size(mm):100, 150, 250
 Ranges:0. Vacuum upto 700 Kg/Cm2 & Above on Request.
 Accuracy:1% FSD
 Connection:1/2", 3/8" BSP / NPT, M-20, Flange connection On Request.
 Mounting: Bottom
 Case & Bezel: SS 304
 Wetter Parts: SS 316 & Other on Request



Economical Pressure Gauge

Dial Size(mm): 50, 63, 100, 150, 250
 Ranges:0. Vacuum up to 700 Kg/Cm2 & Above on Request.
 Accuracy:1.5% FSD
 Connection: 1/8", 1/4", 1/2", 3/8" BSP / NPT, M-10, M-12, M-20 On Request.
 Mounting: Bottom, Back, Surface, Panel, Bracket
 Case & Bezel: Mild Steel
 Wetter Parts: Brass Other on Request



Capsule Low Pressure Gauges

Dial Size(mm):100,150, 250
 Case : Weather Cast Al. Or S.S
 Ranges: 0to 150 mmWc to 10000 mmWc or Vac Above on Request.
 Accuracy:1% FSD
 Connection:1/2", 3/8" BSP / NPT
 Flange connection On Request.
 Mounting: Bottom
 Wetter Parts: SS 316 & Other on Request
 Also Available in Compact Built



Draught / Draft Pressure Gauges

Dial Size(mm):150X 78 & 200 X 104 mm
 Case : Fabricated Steel, Stove Enamelled black finish
 Ranges: 0to 50 mmWc to Max 6000 mmWcor Vac Above on Request.
 Accuracy: 1% FSD
 Connection: 1/4" BSP / NPT
 Mounting: Flush Panel Back Mounting
 Wetter Parts: Non Ferrous or SS Capsule
 Movement: Brass



Differential Pressure Gauge

Dial Size(mm): 150
 Case : Weather Cast Al. Or S.S
 Ranges: 0 to 400 mmWc X 6000 mmWc & 0 to 0.6 to 25 Kg/Cm2/ Bar Above on Request.
 Accuracy:1.5% FSD
 Chamber: SS
 Connection: 1/4", 1/2", 3/8" BSP / NPT, On Request.
 Static Pressure: 100 Kg/Cm2 Bar
 Mounting: Bottom, Flush panel with bottom or Back Entry



Electrical Contact Pressure Gauges

Electrical Contact: Non Magnetic/ Magnetic Contacts
 Contacts: with or without relays
 Contacts: 1NO, 1 NC single, 1 NO & 1 NO / 1NC & 1 NC with or without Max reading pointer
 Contact Ratings: 0.15 Amp or 1 Amp or 5 Amp. With Relay
 Accuracy: +/-1% FSD



OIL & GAS Pressure Gauges

Connection : 9/16" API type III for autoclave With / without collar gland







OIL & GAS Industry High Range Pressure Gauge

Customised as per requirement

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Jl TEMPERATURE INSTRUMENTS

 <p><u>Bimetal Dial Thermometer</u> Dial Size(mm): 63, 100, 150 Case: Pressed chrome steel plated or SS Mounting: Back Horizontal & Bottom Vertical Bulb & Stem: 2", 3", 6" 9", 12" Std. upto 48" Long Connection: 1/2" BSP (M) or as Required Material: M.S Chrome plated or SS Bulb & Stem: 1/4", 3/8" Range: -20 to 60 upto 600 Deg C</p>	 <p><u>All Angle Dial Thermometer</u> Dial Size(mm): 63, 100, 150 Case: Pressed chrome steel plated or SS Mounting: All Angle / 180 Deg Rotation Bulb & Stem: 2", 3", 6" 9", 12" Std. upto 48" Long Connection: 1/2" BSP (M) or as Required Material: M.S Chrome plated or SS Bulb & Stem: 1/4", 3/8" Range: -20 to 60 upto 600 Deg C</p>
 <p><u>Mercury In Steel Dial Thermometer</u> Dial Size(mm): 100, 150, 200, 250 Case: Pressed chrome steel plated or SS Mounting: Surface, Panel, bottom or back entry Type: Capillary Type or Rigid Stem Capillary Protection: 3Mtr Long copper / PVC / SS. Bulb & Stem: SS or Mild Steel Bulb & Stem Length: Std. 12" Long or as required Bulb & Stem Dia: 3/8", 1/2" OD or as required Connection: 1/2" BSP (M) or as required Accuracy: +/-1%</p>	 <p><u>Vapour / Gas Dial Thermometer</u> Dial Size(mm): 100, 150, 200, 250 Case: Pressed chrome steel plated or SS Mounting: Surface, Panel, bottom or back entry Type: Capillary Type or Rigid Stem Capillary Protection: 3Mtr Long copper / PVC / SS. Bulb & Stem: SS or Mild Steel Bulb & Stem Length: Std. 12" Long or as required Bulb & Stem Dia: 3/8", 1/2" OD or as required Connection: 1/2" BSP (M) or as required Accuracy: +/-1%</p>
 <p><u>Electrical Contact Temperature Gauges</u> Electrical Contact: Non Magnetic/ Magnetic Contacts Contacts: with or without relays Contacts: 1NO, 1 NC single, 1 NO & 1 NO / 1NC & 1 NC with or without Max reading pointer Contact Ratings: 0.15 Amp or 1 Amp or 5 Amp. With Relay Accuracy: +/-1% FSD Range: As Required</p>	 <p><u>Anti Vibration Dial Thermometer</u> Dial Size(mm): 100, 150 Case: Pressed chrome steel plated or SS Mounting: Direct Bottom Anti Vibration: 100 mm Log for Anti Vibration Bulb & Stem: SS or Mild Steel Bulb & Stem Length: Std. 12" Long Bulb & Stem Dia: 1/2" OD or as required Connection: 1/2" BSP (M) or as required Accuracy: +/-1%</p>

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JI PRESSURE CALIBRATORS



Hand Held Pressure Calibrator

Range: -1 to 40 Bar / Kg/Cm2
Accessories: All the spares long with the instrument
Accuracy: +/-0.5% F.S
Pneumatic hand pump
Model: JI40HHPVTP



Hand Held Hydraulic Pressure Calibrator

Range: 0 to 700 Bar / Kg/Cm2
Accessories: All the spares long with the instrument
Accuracy: +/-0.5% F.S
Hydraulic hand pump
Model: JIHPT700



Hand Held Low Pressure Calibrator

Range: -1 to 7 Bar / Kg/Cm2
Accessories: All the spares long with the instrument
Accuracy: +/-0.5% F.S
Pneumatic hand pump
Model: JILPP-5



Comparison Test Pressure Calibrator

Range: 0 to 2000 Bar / Kg/Cm2
Accessories: All the spares long with the instrument
Complete SS Body Gauge Separate



Comparison Test Vacuum Calibrator

Range: 0 to 760 mmHg
Accessories: All the spares long with the instrument
Complete SS Body Gauge Separate



Dead Weight Tester Pressure Calibrator

Range: 0 to 1000 Bar / Kg/Cm2
Accessories: All the spares long with the instrument
SS / MS Plates as Required
Accuracy as Required



Dead Weight Tester Pressure Calibrator

Range: 0 to 710 mmHg
Accessories: All the spares long with the instrument
SS / MS Plates as Required
Accuracy as Required



Digital / Master Pressure Gauge

Range: -1 to 1000 Bar / Kg/Cm2
Accuracy: 0.1% F.S
Power Supply: 9 V DC battery



Digital / Master Pressure Gauge

Range: -1 to 700 Bar / Kg/Cm2
Accuracy: 0.25% F.S
Power Supply: 9 V DC battery. With Multiple Units

Note: The above instruments are supplied with calibration certificate traceable to National Standard.

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Ji TEMPERATURE CALIBRATORS


 <p><u>TEMPERATURE CALIBRATION BATH (DRY BLOCK TYPE JITB – 650)</u> Range: Ambient to 650 Deg C Regulation of the Heating Block: PID Regulator Power Supply: 230 V AC, 50 Hz Power Consumption: 1000 Watts Accuracy: +/-0.5% F.S</p>	 <p><u>TEMPERATURE CALIBRATION BATH (DRY BLOCK TYPE JI30125)</u> Range: -30 to 125 Deg C Regulation of the Heating Block: PID Regulator Power Supply: 230 V AC, 50 Hz Power Consumption: 1000 Watts Accuracy: +/-0.5% F.S</p>
 <p><u>TEMPERATURE CALIBRATION BATH (DRY BLOCK TYPE JI1200)</u> Range: 300 to 1200 Deg C Regulation of the Heating Block: PID Regulator Power Supply: 230 V AC, 50 Hz Power Consumption: 1000 Watts Accuracy: +/-0.5% F.S</p>	 <p><u>DIGITAL CALIBRATOR THERMOCOUPLE/RTD</u> Model: JI50PDC For More Details Please Contact: www.jigauges.com www.japsin.com iapsin33@mtnl.net.in</p>
 <p><u>PORTABLE DIGITAL CALIBRATOR MV/MA/RTD</u> Model: JI49PDC For More Details Please Contact: www.jigauges.com www.japsin.com iapsin33@mtnl.net.in</p>	 <p><u>PORTABLE DIGITAL CALIBRATOR MV/VOLT/MA</u> Model: JI23PDC For More Details Please Contact: www.jigauges.com www.japsin.com iapsin33@mtnl.net.in</p>

Note: The above instruments are supplied with calibration certificate traceable to National Standard.


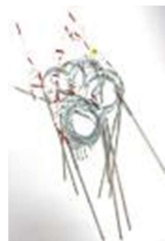


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JI TEMPERATURE & PRESSURE RECORDERS

 <p><u>Temperature Circular Chart Recorder Single pen</u> Range: 0 to up to 600 Deg C Capillary: 3 mtr. Std or As Required Connection: As Required MOC: SS Case or Mild Steel or As Required 100 Charts & 2 pens Along with the Recorder</p>	 <p><u>Pressure Circular Chart Recorder Single pen</u> Range: 0 to up to 700 Bar / Kg/Cm2 Capillary: 3 mtr. Std Connection: As Required MOC: SS Case or Mild Steel or As Required 100 Charts & 2 pens Along with the Recorder</p>
 <p><u>Temperature & Pressure Circular Chart Recorder Double pen</u> Temp Range: 0 to up to 600 Deg C Pressure Range: 0 to upto 600 Bar Capillary: 3 mtr. Std or As Required Connection: As Required MOC: SS Case or Mild Steel or As Required 100 Charts & 2 pens Along with the Recorder</p>	 <p><u>Strip Chart Recorder</u> Temp Range: 0 to up to 600 Deg C Pressure Range: 0 to 700 Bar / Kg/Cm2 100 Charts & 2 pens Along with the Recorder Input signal: 4-20 mA Chart Speed: 20mm/Hr Chart Width: 100 mm Power Supply: 240 Vac /50 Hz main operated</p>

JI TEMPERATURE SENSORS

 <p><u>Industrial RTD's</u> Sensor: Pt-100 / Pt-500/ Pt-1000 Accuracy: Class A / Class B Sheath: AISI 316 SS Sheath Size: 3 mm / 6 mm / 8 mm Or As Required Enclosure: WP/FLP/ Ex-Proof Connection: 1/2" NPT (M) / 1/2" BSP (M) Or As Required Head Extension: Fixed / Adjustable</p>	 <p><u>Industrial Pencil Type RTD's</u> Sensor: Pt-100 / Pt-500/ Pt-1000 Accuracy: Class A / Class B Sheath: AISI 316 SS Sheath Size: 3 mm / 6 mm / 8 mm Termination: PTFE/SS Braided Compensating Cable Connection: 1/2" NPT (M) / 1/2" BSP (M) Cable Length: As Required</p>
 <p><u>Industrial Hygienic RTD's</u> Sensor: Pt-100 / Pt-500/ Pt-1000 Accuracy: Class A / Class B Sheath: AISI 316 SS Sheath Size: 3 mm / 6 mm / 8 mm Or As Required Enclosure: WP/FLP/ Ex-Proof Connection: 1 1/2" Tri-clover / 2" Tri-clover Option: Tri- Clamp, Sealing Gasket</p>	 <p><u>Industrial RTD's with Thermowell</u> Sensor: Pt-100 / Pt-500/ Pt-1000 Accuracy: Class A / Class B Sheath: AISI 316 SS Sheath Size: 3 mm / 6 mm / 8 mm Or As Required Enclosure: WP/FLP/ Ex-Proof Protection Tube: Pipe-1/2" Sch 40 Connection: Threaded / Flanged</p>

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JI TEMPERATURE SENSORS



Industrial Thermocouples

Sensor: K / J / E / T / S / N / R / B
 Accuracy: Standard / Special
 Sheath: AISI SS 316, SS 310, SS 446, INC 600
 Enclosure: WP/FLP/ Ex-Proof
 Connection: 1/2" NPT (M) / 1/2" BSP (M) Or As Required
 Head Extension: Fixed / Adjustable



Industrial Roller Type Thermocouple

Sensor: K
 Surface probe with 4" long handle & 4 bearing, 10 mtr.
 Cable suitable for -50 to 750 deg C with connector



Industrial Thermocouples

Sensor: K
 Accuracy: Standard
 Sheath: AISI SS 316
 Sheath Size: 3 mm / 6 mm / 8 mm
 Termination: PTFE/SS Braided Compensating Cable
 Connection: 1/2" NPT (M) / 1/2" BSP (M)
 Cable Length: As Required

JI STAINLESS STEEL FITTINGS



Stainless Steel Fittings

- Stainless Steel Male Stud
- Stainless Steel Swivel Elbow
- Stainless Steel Swivel Tee
- Stainless Steel Straight Connector
- Stainless Steel Equal Elbow
- Stainless Steel Equal Tee
- Stainless Steel Equal Bulk-Head



Stainless Steel & PVC Valves

- Flanged Floating Ball Valves
- Flanged Ball Valves
- Threaded or solder Joint Ball Valves
- 3 Way Ball Valves
- 2 Way Ball Valves

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JI ROTAMETER

 <p><u>Acrylic Tube Rotameter</u> Metering Body: Acrylic Wetted Parts: SS / Teflon Float: SS / Teflon / PVC/ P.P Pipe Connection: Threaded / Flanged Top & Bottom O Ring: STD Neoprene / Teflon Viton Silicon Scale: Engraved On The Body Temp: Upto 70 Deg C Accuracy: $\pm 2\%$</p>	 <p><u>Glass Tube Rotameter</u> Metering Body: Borosilicated Tapered Glass Wetted Parts: SS / Teflon Float: SS / Teflon / PVC/ P.P Pipe Connection: Threaded / Flanged Top & Bottom Body: ALM with MS Cover with transparent Acrylic clear Temp: Upto 150 Deg C Accuracy: $\pm 1\%$</p>
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JI MANOMETER

 <p><u>Acrylic Single Limbed Manometer</u> Range: 0 to 500 mm WC / Hg with 1 mm Wc / Hg Or as required End fittings: 1/4" PP / SS Nozzles Description: Single limbed acrylic tube block with calibrated scale Mounting: Wall Mounting Accuracy: $\pm 1\%$ FSD</p>	 <p><u>Acrylic U Tube Manometer</u> Range: 300-0- 300 mm WC / Hg with 1 mm Wc / Hg Or as required End fittings: 1/4" PP / SS Nozzles Description: U Shaped acrylic tube block with calibrated scale Mounting: Wall Mounting Accuracy: $\pm 1\%$ FSD</p>
 <p><u>Glass Single Limbed Manometer</u> Range: 0 to 500 mm WC / Hg with 1 mm Wc / Hg Or as required End fittings: SS Nozzles Description: Single limbed borosilicate glass tube enclosed in MS powder coated case & front see thru acrylic window with calibrated scale Mounting: Wall Mounting Accuracy: $\pm 1\%$ FSD</p>	 <p><u>Glass U Tube Manometer</u> Range: 5000-0- 5000 mm WC / Hg with 1 mm Wc / Hg Or as required End fittings: SS Nozzles Description: U shaped borosilicate glass tubes enclosed in MS powder coated case & front see thru acrylic window with calibrated scale Mounting: Wall Mounting / Stand Mounting Accuracy: $\pm 1\%$ FSD</p>
 <p><u>McLeod Gauge For Ultra High Vacuum Use</u> Range: 10 mm to 0.001 mm of Hg Type: Tilting type Gauge MOC: MS Powder Coated, SS 316 & SS 304 Reservoir: Approx 15cc of Mercury Required Dimensions: 9"X6"X1"</p>	 <p><u>Inclined Tube Manometer</u> Range: 0 to 100 mm Wc or as required End fittings: PP / SS Nozzles Description: Acrylic block with inclined tube & spirit level Accuracy: $\pm 1\%$ FSD</p>

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JI ELECTROMAGNETIC FLOWMETERS / TOTALIZERS / TURBINE FLOWMETERS



JI FLOWMETER

- Electromagnetic Flowmeter With Field Mounted Flow Rate Indicator, Totalizer & 4-20 mA Output
- Turbine flowmeter with Field Mounted Flow Rate Indicator, Totalizer & 4-20 mA Output
- Vortex Flowmeter with Temperature & Pressure Compensation

For More Details Please Contact:

www.jigauges.com

www.japsin.com

japsin33@mtnl.net.in

JI LEVEL INSTRUMENTS



JI Level Instruments / Gauges

- Reflex Level gauges
- Magnetic Level Gauges
- Tilt Type Level Switches
- Industrial Pitot Tube
- Sight Glass Indicator
- Level Glass Indicator
- Flapper Sight Glass Indicator

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