

#### PROCESS CONTROL INSTRUMENTS

# CATALOG



# SERVING THE INDUSTRY WITH EXCELLENCE SINCE

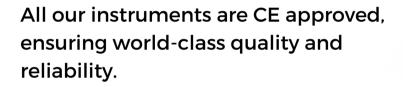
1974

JAPSIN.CO.IN | JAPSIN.COM



### **ABOUT US**

Since 1974, Japsin Instrumentation "JI" has been a trusted name in the industry, providing high-quality process control instruments.







As leading manufacturers, suppliers, and exporters, we are committed to delivering precision-engineered solutions that meet the rigorous demands of both public and private sector companies.

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

































Japsin
Instrumentation®
ISO 9001:2015 CERTIFIED ORGANIZATION



































# "JI" BRAND



Our products, proudly carrying the "Ji" brand, are widely recognized and accepted for their reliability and performance. All "Ji" instruments are CE approved, ensuring they meet international safety and quality standards. Additionally, our organization is ISO 9001:2015 certified, reflecting our dedication to maintaining the highest levels of quality management.











# "JI" PRODUCTS INCLUDES

Pressure Gauges	01
Temperature Gauges	02
Temperature Calibrators	03
Pressure Calibrators	04
Rotameter	05
Manometers	06
Comparison Pressure Test Pump	07
Dead Weight Testers	08

••••



# "JI" PRODUCTS INCLUDES ... CONT.

Level Gauges	09
Flow Instruments	10
Digital Instruments	11
Valves	12
Transmitter	13
Pressure & Temperature Recorders	14

••••



#### "Ji" PRESSURE INSTRUMENTS

...CONT.







#### 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", ¼", ½", 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 DIAPHARGM GAUGE**

- Dial Sizes: 100, 150, 250 mm
- Ranges: Vacuum to 700 Kg/Cm<sup>2</sup> (custom on request)
- Accuracy: 1% FSD
- Connections: ½", 3/8" BSP/NPT, M-20, Flange (custom on request)
- · Mounting: Bottom
- Case & Bezel: SS 304
- Wetted Parts: SS 316 (other materials on request)

#### ECONOMICAL PRESSURE GAUGE

- Dial Sizes: 50, 63, 100, 150, 250 mm
- Ranges: Vacuum to 700 Kg/Cm<sup>2</sup> (custom on request)
- Accuracy: 1.5% FSD
- Connections: 1/8", 1/4", 1/2", 3/8" BSP/NPT, M-10, M-12, M-20 (custom on request)
- Mounting: Bottom, Back, Surface, Panel, Bracket
- · Case & Bezel: Mild Steel
- Wetted Parts: Brass (other materials on request)

#### **CAPSULE LOW PRESSURE GAUGE**

- Dial Sizes: 100, 150, 250 mm
- Case: Weather-resistant Aluminum or Stainless Steel
- Ranges: 0 to 150 mmWc to 10,000 mmWc (Vacuum options available on request)
- Accuracy: 1% FSD
- Connections: ½", 3/8" BSP/NPT, Flange (custom on request)
- Mounting: Bottom
- Wetted Parts: SS 316 (other materials on request)
- Also Available: Compact build options



#### "Ji" PRESSURE INSTRUMENTS









#### **Draught/Draft Pressure Gauges**

- Dial Sizes: 150 x 78 mm, 200 x 104 mm
- Case: Fabricated Steel, stove-enamelled black finish
- Ranges: 0 to 50 mmWc to 6000 mmWc (Vacuum options available on request)
- Accuracy: 1% FSD
- Connection: 1/4" BSP/NPT
- Mounting: Flush panel or back mounting
- Wetted Parts: Non-ferrous or SS capsule
- Movement: Brass

#### **Differential Pressure Gauges**

- Dial Size: 150 mm
- Case: Aluminum or Stainless Steel
- Ranges: 0 to 400 mmWc x 6000 mmWc; 0.6 to 25 Kg/Cm<sup>2</sup>/Bar (custom on request)
- Accuracy: 1.5% FSD
- Chamber: SS
- Connections: 1/4", 1/2", 3/8" BSP/NPT (custom on request)
- Static Pressure: 100 Kg/Cm<sup>2</sup>
- · Mounting: Bottom, flush panel, or back entry

#### **ELECTRICAL CONTACT PRESSURE GAUGES**

- Contacts: Non-magnetic or magnetic
- Options: With or without relays, 1 NO, 1 NC, 1 NO & 1 NO, or 1 NC & 1 NC (with or without max reading pointer)
- Contact Ratings: 0.15 A, 1 A, or 5 A (with relay)
- Accuracy: ±1% FSD

#### Oil & Gas Pressure Gauges

- **Connection:** 9/16" API Type III for autoclave (with or without collar gland)
- Application: High-range pressure gauges for the oil and gas industry
- Customization: Available as per requirement



## "Ji" TEMPERATURE INSTRUMENTS ... CONT.









#### **Bimetal Dial Thermometer**

- Dial Sizes: 63, 100, 150 mm
- Case: Pressed chrome-plated steel or stainless steel
- Mounting: Back horizontal or bottom vertical
- Bulb & Stem Lengths: 2", 3", 6", 9", 12" (up to 48" available)
- Connection: 1/2" BSP (M) or custom
- Material: Chrome-plated mild steel or stainless steel
- Bulb & Stem Diameters: 1/4", 3/8"
- Temperature Range: -20 to 60°C up to 600°C

#### All Angle Dial Thermometer

- **Dial Sizes:** 63, 100, 150 mm
- Case: Pressed chrome-plated steel or stainless steel
- Mounting: All-angle with 180° rotation
- Bulb & Stem Lengths: 2", 3", 6", 9", 12" (up to 48" available)
- Connection: 1/2" BSP (M) or custom
- Material: Chrome-plated mild steel or stainless steel
- Bulb & Stem Diameters: 1/4", 3/8"
- Temperature Range: -20°C to 600°C

#### **MERCURY IN STEEL DIAL THERMOMETER**

- Dial Sizes: 100, 150, 200, 250 mm
- Case: Pressed chrome-plated steel or stainless steel
- Mounting: Surface, panel, bottom, or back entry
- Type: Capillary type or rigid stem
- Capillary Protection: 3-meter copper, PVC, or stainless steel
- Bulb & Stem Material: Stainless steel or mild steel
- Bulb & Stem Length: Standard 12" or custom
- Bulb & Stem Diameter: 3/8". 1/2" OD or custom
- Connection: 1/2" BSP (M) or custom
- Accuracy: ±1%

#### Vapour / Gas Dial Thermometer

- Dial Sizes: 100, 150, 200, 250 mm
- Case: Pressed chrome-plated steel or stainless steel
- Mounting: Surface, panel, bottom, or back entry
- Type: Capillary type or rigid stem
- Capillary Protection: 3-meter copper, PVC, or stainless steel
- Bulb & Stem Material: Stainless steel or mild steel
- Bulb & Stem Length: Standard 12" or custom
- Bulb & Stem Diameter: 3/8", 1/2" OD or custom
- Connection: 1/2" BSP (M) or custom
- Accuracy: ±1%



#### "Ji" TEMPERATURE INSTRUMENTS



- Contact Type: Non-magnetic or magnetic
- Options: With or without relays
- Contact Configurations: 1 NO, 1 NC single; 1 NO & 1 NO; or 1 NC & 1 NC (with or without max reading pointer)
- Contact Ratings: 0.15 A, 1 A, or 5 A (with relay)
- Accuracy: ±1% FSD
- Range: Customizable as required



# 200 °C 300 100 600 810 Ji





#### **Anti Vibration Dial Thermometer**

- Dial Sizes: 100, 150 mm
- Case: Pressed chrome-plated steel or stainless steel
- Mounting: Direct bottom
- Anti-Vibration: 100 mm log for anti-vibration
- Bulb & Stem Material: Stainless steel or mild steel
- Bulb & Stem Length: Standard 12" or custom
- Bulb & Stem Diameter: 1/2" OD or custom
- Connection: 1/2" BSP (M) or custom
- Accuracy: ±1%











#### "Ji" PRESSURE CALIBRATORS

...CONT.







#### **Hand Held Pressure Calibrator**

- Range: -1 to 40 Bar / Kg/Cm<sup>2</sup>
- Accuracy: +/-0.5% F.S
- Pump Type: Pneumatic hand pump
- Model: JI40HHPVTP
- Accessories: Includes all necessary spares with the instrument

#### **Hand Held Hydraulic Pressure Calibrator**

- Range: 0 to 700 Bar / Kg/Cm<sup>2</sup>
- Accuracy: +/-0.5% F.S
- Pump Type: Hydraulic hand pump
- Model: JIHPT700
- Accessories: Includes all necessary spares with the instrument

#### HAND HELD LOW PRESSURE CALIBRATOR

- Range: -1 to 7 Bar / Kg/Cm<sup>2</sup>
- Accuracy: +/-0.5% F.S
- Pump Type: Pneumatic hand pump
- Model: JILPP-5
- Accessories: Includes all necessary spares with the instrument

#### **Comparison Test Pressure Calibrator**

- Range: 0 to 2000 Bar / Kg/Cm<sup>2</sup>
- Body: Complete Stainless Steel (SS) Body
- Gauge: Separate, high-precision gauge
- Accessories: Includes all necessary spares with the instrument











#### **Comparison Test Vacuum Calibrator**

- Range: 0 to 760 mmHg
- Body: Complete Stainless Steel (SS) Body
- Gauge: Separate, high-precision gauge
- Accessories: Includes all necessary spares with the instrument

#### **Dead Weight Tester Pressure Calibrator**

- Range: 0 to 1000 Bar / Kg/Cm<sup>2</sup>
- **Body:** Stainless Steel (SS) / Mild Steel (MS) Plates as required
- Accuracy: Customizable to specific requirements
- Accessories: Includes all necessary spares with the instrument

# DEAD WEIGHT TESTER PRESSURE CALIBRATOR

- Range: 0 to 710 mmHg
- Body: Stainless Steel (SS) / Mild Steel (MS) Plates as required
- Accuracy: Customizable to specific requirements
- Accessories: Includes all necessary spares with the instrument

















#### **Digital / Master Pressure Gauge**

• **Range:** -1 to 700 Bar / Kg/Cm<sup>2</sup>

• Accuracy: 0.25% F.S

Power Supply: 9 V DC battery

• Features: Supports multiple units

#### **Digital / Master Pressure Gauge**

• Range: -1 to 1000 Bar / Kg/Cm<sup>2</sup>

• Accuracy: 0.1% F.S

• Power Supply: 9 V DC battery











# "Ji" TEMPERATURE CALIBRATORS ...CONT.

#### **Temperature Calibration Bath (Dry Block**

#### <u>Type JITB - 650)</u>

• Range: Ambient to 650°C

Heating Regulation: PID RegulatorPower Supply: 230 V AC, 50 Hz

• Power Consumption: 1000 Watts

• Accuracy: +/-0.5% F.S



# <u>Temperature Calibration Bath (Dry Block</u> <u>Type JI30125)</u>

• Range: -30 to 125°C

• **Heating Regulation:** PID Regulator

Power Supply: 230 V AC, 50 Hz

• Power Consumption: 1000 Watts

• Accuracy: +/-0.5% F.S



# TEMPERATURE CALIBRATION BATH (DRY BLOCK TYPE JI1200)

• Range: 300 to 1200°C

Heating Regulation: PID Regulator

Power Supply: 230 V AC, 50 Hz
Power Consumption: 1000 Watts

• Accuracy: +/-0.5% F.S





#### **Digital Calibrator Thermocouple/RTD**

• Model: JI50PDC

• For more details, please contact us at:

• Website: jigauges.com

• Alternative Website: japsin.co.in / japsin.com

• Email: japsin33@mtnl.net.in



#### "Ji" TEMPERATURE CALIBRATORS









#### Portable Digital Calibrator MV/MA/RTD

• Model: JI49PDC

• For more details, please contact us at:

• Website: jigauges.com

• Alternative Website: japsin.co.in / japsin.com

• Email: japsin33@mtnl.net.in

#### Portable Digital Calibrator MV/VOLT/MA

• Model: JI23PDC

• For more details, please contact us at:

• Website: jigauges.com

• Alternative Website: japsin.co.in / japsin.com

• Email: japsin33@mtnl.net.in











## "Ji" TEMPERATURE & PRESSURE RECORDERS









#### **Temperature Circular Chart Recorder**

Type: Single PenRange: 0 to 600°C

• Capillary: 3 mtr. Standard or as Required

• Connection: Customizable

 Material of Construction (MOC): SS Case, Mild Steel, or as Required

• Includes: 100 Charts & 2 Pens

#### Pressure Circular Chart Recorder

• Type: Single Pen

• Range: 0 to 700 Bar / Kg/Cm<sup>2</sup>

• Capillary: 3 mtr. Standard

• Connection: Customizable

 Material of Construction (MOC): SS Case, Mild Steel, or as Required

• Includes: 100 Charts & 2 Pens

# TEMPERATURE & PRESSURE CIRCULAR CHART RECORDER

• Type: Double Pen

• Temperature Range: 0 to 600°C

• Pressure Range: 0 to 600 Bar

• Capillary: 3 mtr. Standard or as Required

• Connection: Customizable

 Material of Construction (MOC): SS Case, Mild Steel, or as Required

• Includes: 100 Charts & 2 Pens

#### **Strip Chart Recorder**

• Temperature Range: 0 to 600°C

• Pressure Range: 0 to 700 Bar / Kg/Cm<sup>2</sup>

• Input Signal: 4-20 mA

• Chart Speed: 20 mm/Hr

• Chart Width: 100 mm

Power Supply: 240 Vac / 50 Hz

• Includes: 100 Charts & 2 Pens



#### "Ji" TEMPERATURE SENSORS

...CONT.







#### **Industrial RTDs**

- Sensor Types: Pt-100, Pt-500, Pt-1000
- Accuracy: Class A / Class B
- Sheath Material: AISI 316 SS
- Sheath Sizes: 3 mm, 6 mm, 8 mm (Custom sizes available)
- Enclosures: WP, FLP, Ex-Proof
- Connection Options: 1/2" NPT (M), 1/2" BSP (M) (Custom options available)
- Head Extension: Fixed or Adjustable

#### **Industrial Pencil Type RTDs**

- Sensor Types: Pt-100, Pt-500, Pt-1000
- Accuracy: Class A / Class B
- Sheath Material: AISI 316 SS
- Sheath Sizes: 3 mm, 6 mm, 8 mm
- Termination: PTFE or SS Braided Compensating Cable
- Connection Options: 1/2" NPT (M), 1/2" BSP (M)
- Cable Length: Customizable

#### **INDUSTRIAL HYGIENIC RTD'S**

- Sensor Types: Pt-100, Pt-500, Pt-1000
- Accuracy: Class A / Class B
- Sheath Material: AISI 316 SS
- Sheath Sizes: 3 mm, 6 mm, 8 mm or as required
- Enclosure Options: WP, FLP, Ex-Proof
- Connection Options: 1 1/2" Tri-Clover, 2" Tri-Clover
- · Additional Options: Tri-Clamp, Sealing Gasket

#### **Industrial RTDs with Thermowell**

- Sensor Types: Pt-100, Pt-500, Pt-1000
- Accuracy: Class A / Class B
- Sheath Material: AISI 316 SS
- Sheath Sizes: 3 mm, 6 mm, 8 mm or as required
- Enclosure Options: WP, FLP, Ex-Proof
- Protection Tube: Pipe-1/2" Sch 40
- Connection Options: Threaded, Flanged



#### "Ji" TEMPERATURE SENSORS



• Sensor Types: K, J, E, T, S, N, R, B

• Accuracy: Standard, Special

• Sheath Materials: AISI SS 316, SS 310, SS 446, INC 600

• Enclosure Options: WP, FLP, Ex-Proof

 Connection Options: 1/2" NPT (M), 1/2" BSP (M) or as required

• Head Extension: Fixed, Adjustable



#### **Industrial Roller Type Thermocouple**

• Sensor Type: K

• Features: Surface probe with 4" long handle, 4 bearings

• Cable Length: 10 meters

Temperature Range: -50°C to 750°C

• Connector: Includes connector



#### **INDUSTRIAL THERMOCOUPLES**

• Sensor Type: K

· Accuracy: Standard

• Sheath Material: AISI SS 316

• Sheath Sizes: 3 mm, 6 mm, 8 mm

• Termination: PTFE/SS braided compensating cable

• Connection: 1/2" NPT (M) / 1/2" BSP (M)

• Cable Length: Customizable











#### "Ji" STAINLESS STEEL FITTINGS









#### Stainless Steel Fittings

- Male Stud: Durable and reliable for threaded connections.
- Swivel Elbow: Allows for flexible directional changes.
- Swivel Tee: Provides versatile branching options.
- Straight Connector: Ensures a secure, straight connection.
- Equal Elbow: Facilitates smooth transitions with equal flow paths.
- Equal Tee: Connects multiple lines with equal flow distribution.
- Equal Bulk-Head: Designed for secure, flush-mounted connections.

#### **Stainless Steel & PVC Valves**

- Flanged Floating Ball Valves: Offer secure connections with flanged ends and reliable performance for controlling flow.
- Flanged Ball Valves: Ideal for robust applications, featuring flanged connections for easy installation and maintenance.
- Threaded or Solder Joint Ball Valves: Versatile valves suitable for various piping systems, available in threaded or solder joints.
- 3 Way Ball Valves: Enable flow diversion or mixing in multiple directions, providing flexible control in complex systems.
- 2 Way Ball Valves: Simple and efficient, used for on/off control of flow in single direction applications.

















#### **Acrylic Tube Rotameter**

Metering Body: Acrylic

• Wetted Parts: SS / Teflon

Float: SS / Teflon / PVC / P.P

• Pipe Connection: Threaded / Flanged (Top & Bottom)

• O Ring: Standard Neoprene / Teflon / Viton / Silicon

• Scale: Engraved On The Body

• Temperature: Up to 70°C

• Accuracy: ±2%

#### **Glass Tube Rotameter**

• Metering Body: Borosilicate Tapered Glass

• Wetted Parts: SS / Teflon

• Float: SS / Teflon / PVC / P.P

• Pipe Connection: Threaded / Flanged (Top & Bottom)

• Body: ALM with MS Cover and Transparent Acrylic Clear

• Temperature: Up to 150°C

• Accuracy: ±1%















#### **Acrylic Single Limbed Manometer**

- 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: ±1% FSD

#### Acrylic U Tube Manometer

- 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: ±1% FSD

#### **GLASS SINGLE LIMBED MANOMETER**

- 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 an MS powder-coated case with a front seethrough acrylic window and calibrated scale
- Mounting: Wall Mounting
- Accuracy: ±1% FSD

















#### **Glass U Tube Manometer**

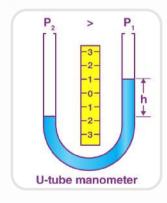
- Range: 5000-0-5000 mm WC / Hg with 1 mm WC / Hg or as required
- End Fittings: SS Nozzles
- **Description:** U-shaped borosilicate glass tubes enclosed in an MS powder-coated case with a front see-through acrylic window and calibrated scale
- Mounting: Wall Mounting / Stand Mounting
- Accuracy: ±1% FSD

#### Mc Leod Gauge For Ultra High Vacuum Use

- Range: 10 mm to 0.001 mm of Hg
- Type: Tilting Type Gauge
- Material of Construction (MOC): MS Powder Coated, SS 316 & SS 304
- Reservoir: Approximately 15cc of Mercury Required
- **Dimensions:** 9" x 6" x 1"

#### **INCLINED TUBE MANOMETER**

- Range: 0 to 100 mm Wc or as required
- End Fittings: PP / SS Nozzles
- Description: Acrylic block with inclined tube & spirit
  level
- **Accuracy:** +/-1% FSD







# "Ji" ELECTROMAGNETIC FLOWMETERS / TOTALIZERS / TURBINE FLOWMETERS



Explore our range of advanced flow measurement solutions:

- Electromagnetic Flowmeter: Comes with a fieldmounted flow rate indicator, totalizer, and 4-20 mA output for precise flow measurement.
- **Turbine Flowmeter:** Equipped with a field-mounted flow rate indicator, totalizer, and 4-20 mA output for accurate flow readings.
- Vortex Flowmeter: Features temperature and pressure compensation for reliable and stable flow measurement.
- For more details, visit:

   www.jigauges.com / www.japsin.com

   Or contact us at: japsin33@mtnl.net.in



















#### "JI" LEVEL INSTRUMENTS

#### **Level Instruments / Gauges**

Discover our comprehensive range of level measurement and control solutions:

- Reflex Level Gauges: Ideal for clear and precise level measurements.
- Magnetic Level Gauges: For reliable and easy-to-read level indications.
- Tilt Type Level Switches: Perfect for high and low level detection.
- Industrial Pitot Tube: For accurate flow velocity measurements.
- Sight Glass Indicator: Provides visual indication of liquid levels.
- Level Glass Indicator: Ensures clear level visibility in various applications.
- Flapper Sight Glass Indicator: Reliable for monitoring liquid levels with a flapper mechanism.
- For more details, visit:
   www.jigauges.com / www.japsin.com / japsin.co.in

   Or contact us at: japsin33@mtnl.net.in

















# Ji Japsin Instrumentation® ISO 9001:2015 CERTIFIED ORGANIZATION

# let's get in touch

#### **Registered Address:**

40, Picket Road, 2nd Floor, Kalbadevi, Mumbai - 400 002, Maharashtra, India.

#### **Branch Address:**

Unit No 35, 2nd Floor, Sumtinath Industrial Premises Co-op Soc Ltd, Chincholi Bunder Road, Off Link Road, Mind Space, Malad (west), Mumbai 400064, India.

Ph: +91-22-46003034

**Landline Phone:** +91-22-46003034

Email: sales@japsin.co.in | japsin33@mtnl.net.in

LINK: <u>JAPSIN.CO.IN</u> / <u>JAPSIN.COM</u>