

# JSA ENGINEERING & SERVICES



**JSA ENGINEERING**  
& SERVICES

## OUR SERVICE

- ✓ New Electrical & Instrument Traders
- ✓ Automation & IOT
- ✓ E & I Maintenance & Periodic Services
- ✓ Electrical Panel Installation and Replacement

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**GST:- 09CUUPP3556Q1ZB**



# ABOUT US

## Our Mission :-

At JSA Engineering & Services, our mission is to empower industrial progress by providing high-precision instrumentation and electrical solutions. Through strategic partnerships with global leaders, we deliver reliable products and expert technical support to ensure operational excellence and safety for our clients.

## Vision :-

To become the premier global partner in precision instrumentation by bridging the gap between cutting-edge technology and industrial excellence. We strive to empower industries through seamless supply chains, technical expertise, and an unwavering commitment to accuracy and reliability.

## Core Value :-

At JSA Engineering & Services, we are defined by Uncompromising Precision, Technical Integrity, and Client-Centric Reliability. We bridge the gap between innovation and application, ensuring every instrument we trade meets the highest standards of accuracy to empower your industrial success.



# Strategic Partners



**ROTEX**

*Engineering For The Future*

**SAMSON**

**DARLING  
MUESCO**

**Honeywell**

**SPAC**<sup>®</sup>  
Pneumatic

MOVING FROM BETTER TO BEST

**SIEMENS**

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**WIKAI**

***Autodata***



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# PRODUCT SPECIFICATION

## Wires & Cables



**Application:** Power distribution and signal transmission.

**Size:** Measured in cross-sectional  $\text{mm}^2$  area.

**Material:** High conductivity copper or aluminum.

**Type:** Single core or multi-core configurations.

## Inductive Proximity Sensors



**Application:** Metal Object Sensing

**Size:** M-8, M-12, M-18, M-30

**Sensing Range:** 2 MM, 4MM, 8MM, 15MM

**Output:** 24 VDC, PNP/NPN, NO-NC

With Connector And Cable

## Variable Frequency



**Application:** Precise motor speed and torque control.

**Rating:** Kilowatt or horsepower power capacity.

**Type:** Voltage source or current source.



# All types of Transmitter

## Absolute Pressure/ Pressure Gauge Transmitter



**Process temperature:** -40 ...200 Deg.c...S Max upto 400°C

**Pressure measuring range:** - 400 mbar...400 bar Main wetted parts - SS316L...Std (Alloy)

**TD Ratio:**- 100:1

**Safety Approval:** SIL(For ATEX Approved Transmitter)

## Diaphragm Type Transmitter



**Isolation:** Media-isolated via metallic membrane.

**Hygienic Design:** Polished, crevice-free, 3A/EHEDG certified.

**High Accuracy:** Precise 0.05% span linearity.

**Overpressure Protection:** Robust internal mechanical stop support.

## Head Mount temperature Transmitter



**Input:** PT-100, 2,3,4-Wire Measuring

**Range:** -200...650° C

**Accuracy:** 0.1%

**Output:** 4-20 Ma, Supply: 12-30 VDC



## Capsule Pressure Transmitter



**Ranges From:** -1...0 to 0....200 Bar

**Accuracy:** 0.5% FS

**Output:** 4-20 mA, 0-10 VDC, 0-5 VDC, 1-5 VDC

**Operating Temp:** -20...80° C

**Protection class:** IP65

**Process Conn:** 1/4" BSP (M)



**Range:** 500u/s.....1000 ms/cm

**Temp. Compansetted Range** -20 to 150° C

**Output:** 4-20 mA x 2 Nos.

**Application:** CIP & SIP Other Industrial Application

## Flush Diaphragm



**Type:** Flush Diaphragm Type

**Range:** -1...0 to 0....400 Bar

**Pressure Type:** Relative & Absolute

**Accuracy:** 0.3% BFSL

**Output:** 4-20 mA, 0-10VDC, 0-5 VDC, 1-5 VDC

**Operating Temp:** -20...100° C

**Protection Class:** IP65,

**Process Connection:** 1/2" BSP(M)



# Digital indicator & Totalizer

## Universal PID Controller



**Mechanical Systems:** Smoothly dampens mechanical oscillations quickly.

**Chemical Processing:** Maintains precise chemical reaction temperatures.

**Drone Aviation:** Corrects flight pitch during turbulence.

## Flow indicator & Totalizer



**Input Signal:** 4–20mA DC, Pulse, or Frequency (from flow sensor).

**Display:** Type Dual-line LCD (Top: Rate / Bottom: Total).

**Accuracy:** Better than 0.1% of full scale.

**Power Supply:** 24V DC Loop Powered or 110/230V AC.

## Temperature Indicator & Controller



**Input Type:** Thermocouple or RTD (Pt100)

**Control Mode:** ON/OFF or PID Control

**Output:** Relay, SSR, or Analog

**Accuracy:** Often  $\pm 0.5\%$  of span



# Temperature Sensor

## RTD (Resistance Temperature Detector)



- **Sensor replacement** without draining the system.
- Protection against **Wake Frequency** (vibrations caused by fluid flowing past the probe).
- Corrosion resistance using specialized alloys (e.g., Hastelloy or Inconel)

## Thermocouple



- Voltage scales with temperature gradient.
- Passive sensor needs no power.
- Millivolt output requires precision amplification.
- Rugged probes withstand high vibration.
- Fast response in turbulent flows.

## IBR & SS Thermowell



- **Regulatory:** IBR certified, safety pressure tested.
- **Material:** Corrosion resistant, high-grade stainless steel.
- **Construction:** Drilled barstock, tapered shank profile.



# Industrial Pressure Gauges



ACCURACY  $\pm 1\%$   
SMALL INTERVAL = 0.05

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Sensing your Needs

# Pneumatic Fitting Accessories



# PRODUCT OFFERINGS FOR PANEL MANUFACTURER





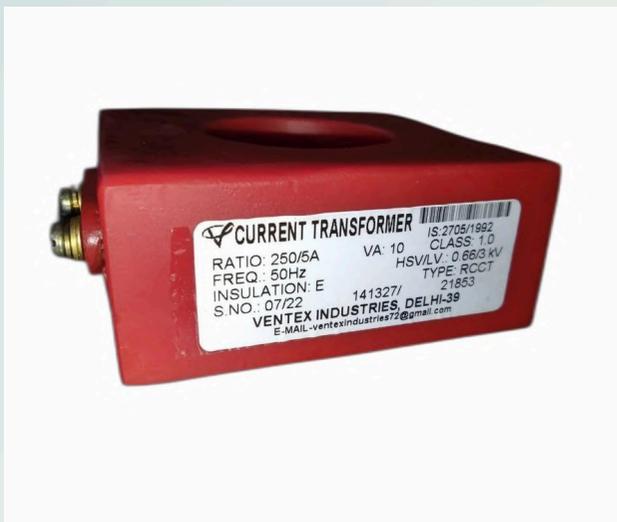
Current Transformer



Low Voltage Current Transformer



Instrument Transformer



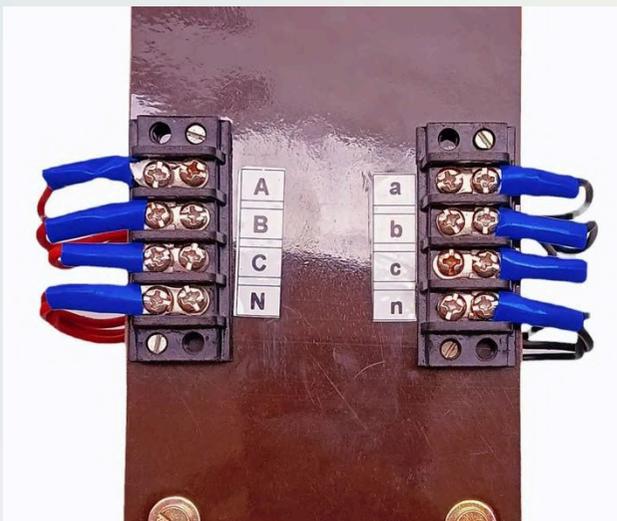
Ring type Current Transformer



Resin Cast CT & PT System



Single Phase Potential Transformer



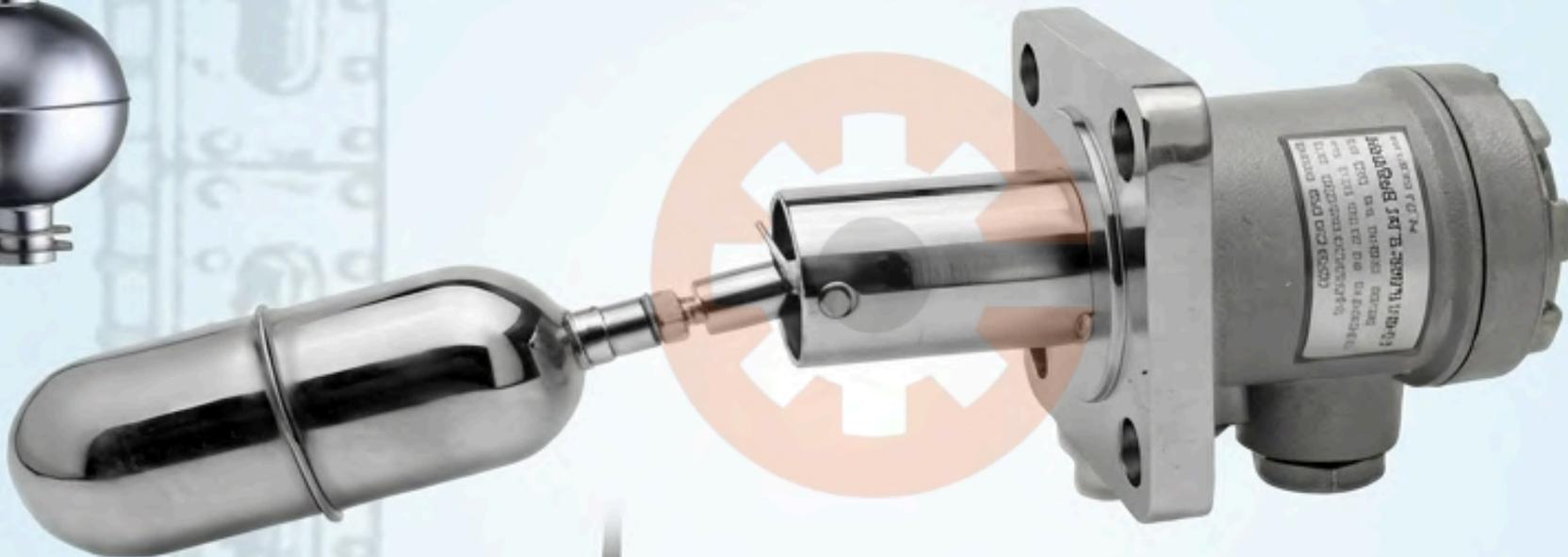
Three Phase Potential Transformer



Toroidal Transformers



# LEVEL MEASUREMENT



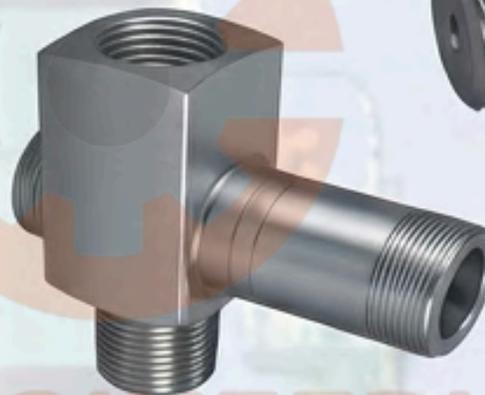
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- Indicators
- Gauges
- Switches



# ACCESSORIES



- Thermowell
- Syphon
- Snubber
- Needle Valve
- Manifold Valve



# STAY IN TOUCH



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## Thank You

### CONTACT US



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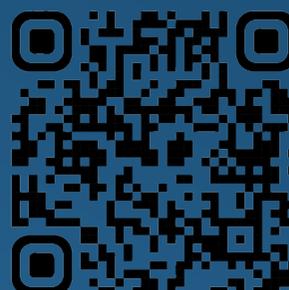


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### VISIT OUR SITE OFFICE

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for more details.