



Since 1986

# YOG ELECTRO PROCESS PVT.LTD.<sup>TM</sup>

*Industry Specific Solutions*

AN ISO 9001 : 2008 AND NABL ISO/IEC, 17025 : 2005 CERTIFIED COMPANY



TEMPERATURE SENSORS

LEVEL SENSORS

INSTRUMENTS

HEATERS

CONTROL PANEL & AUTOMATION

CUSTOMISED PRODUCTS



## OUR PROFILE

Founded in 1986, M/s Yog Electro Process Pvt. Ltd. is one of the leading manufacturer of Temperature Transducers, Digital Temp. Indicators / Controllers, Recorders, Transmitters, Scanners and Heater. These devices play an important role in any process industry. Quick and accurate measurement and control of process temperature will improve the final product quality, reliability and reduce rejection.

## OUR QUALITY POLICY

"We at Yog Electro Process Pvt. Ltd., are committed to enhance our customers satisfaction by. Design, Develop, Manufacture & Supply the products on time and at reasonable rates that meet the customer requirements Service the products as needed by our customers Continually improve our operations and performance to exceed customer expectations Headed by Anil Kothe – Director, This Policy shall be periodically reviewed and revised, if needed to meet the changing needs of our customers.

## OUR MISSION

"Company's mission is to supply the products, automation systems and services, which meet the customer requirements and enhance customer satisfaction."

## OUR INFRASTRUCTURE

Total current factory and office area is 15000 Sq. Ft. Other available assets /machinery includes mV Source, Megger, Multimeter, Calibrator, Testing Equipment's, Drill Machine, Grinder, Imported PULSE TIG Welding Machine, Extension Machine ,Polish machine, Temperature oven for temperature cycle test.

We also have a fully equipped quality control laboratory and In-house NABL LAB for Thermal Products(ISO/IEC: 17025:2005) and scope is -20 Deg C to +1200 Deg C.

### **CERTIFICATION [ISO 9001 : 2008, NABL ISO/IEC, 17025 : 2005]**

**OUR CONSTANT ENDEAVOUR TO OFFER THE BEST IN QUALITY TO OUR CLIENTS HAS LED TO GETTING AN IN HOUSE NABL ACCREDITED LAB. NABL ACCREDITATION CERTIFICATE NO. C – 0645 FOR THERMAL AS PER ISO/IEC17025:2005 COMPLIANCE**

- ★ WE HAVE ALSO ISO 9001:2008 CERTIFICATION (JAS-ANG, IAF)
- ★ 1 YEAR WARRANTY FOR ALL THE INSTRUMENTS
- ★ EXTENDED WARRANTY FOR 1 YEAR



NABL Accredited  
Lab For Thermal

## OUR VALUABLE CLIENT



Council of Scientific and Industrial Research  
National Chemical Laboratory



NUCLEAR POWER  
CORPORATION OF INDIA  
A Government of India Enterprise



Indian  
Ordnance  
Factory

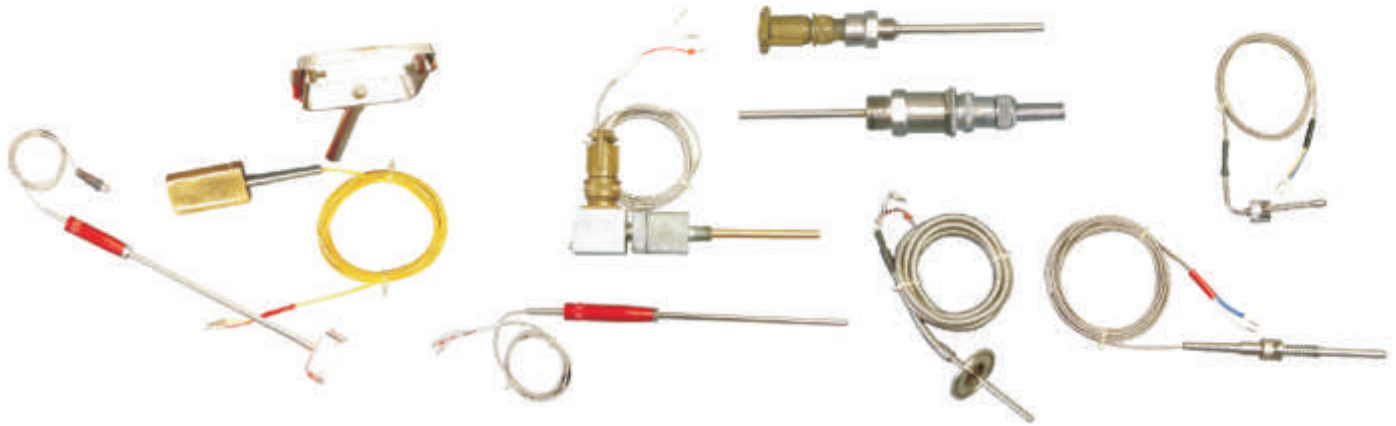


A Maharatna Company  
National Thermal Power Corporation



## TEMPERATURE SENSORS [THERMOCOUPLE & RTD]

### SURFACE / BAYONET / SANITARY / QUICK DISCONNECT SENSOR



#### SPECIFICATIONS :

**Make :** YOG

**Types :** K, J, T, RTD or As per requirements.

**Types of Junction :** Grounded, Ungrounded (Isolated)

**Types of Sheath :** SS304, SS316 or As per Customer Requirement.

**Dimensions :** 3mm to As per Customer Requirement

**Shapes & Sizes :** As per requirement or Application.

**Cable :** Tef/Tef, Tef/Tef/SS, Tef/Fg/SS, Fg/Fg/SS or as per requirement.

## FLAME/WEATHER PROOF HEAD SENSOR

#### SPECIFICATIONS :

**Make :** YOG

**Type :** RTD & Thermocouple K,J,R,S, etc.

**Assembly :** Simplex/Duplex

**Junction :** Grounded, Ungrounded.

**Types of Sheath :** SS304, SS310, SS316, SS446

Inconel 600 or As per Customer Requirement.

**Sheath OD :** 6mm to As Per Customer Requirement.

**Shapes & Sizes :** As Per Requirement or Application.

**Termination :** Aluminium Head



## MI [MINERAL INSULATED] SENSOR

#### SPECIFICATIONS:

**Make :** YOG

**Type :** Themocouple J,K,T,E,N,R,S & RTD

**Assembly :** Simplex/Duplex

**Range :** 0 to 1200 °C

**Sheath OD :** 0.5mm to As per requirement.

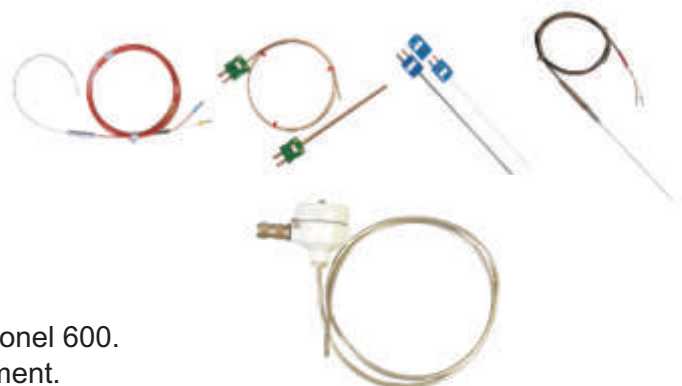
**Sheath Length :** 25mm to As per requirement.

**Termination :** Crimping Bush or spring

**Sheath Material :** SS304, SS316, SS446, SS310, Inconel 600.

**Cable :** Tef/Tef/SS Tef/fg/ss,fg/fg/ss or As Per requirement.

**Connection:** Connectors [M/F] omega or As per requirement.





## CERAMIC SHEATHED SENSOR

### SPECIFICATIONS :

**Make :** YOG

**Type :** Thermocouple K / N / R / S / B

**Type of Insulation :** Ceramic Insulation, Mineral Insulation

**Sheath OD :** 12mm to As per requirement.

**Sheath Length :** 100mm to As per requirement.

**Termination :** Flameproof Head/ Weather-proof Head.

**Sheath Material :** Ceramic Tube/KER 710.

**Cable :** Tef/Tef/SS or As Per requirement.

**Connection:** Connectors [M/F] omega or As per requirement.



## SPECIAL APPLICATION SENSOR

### SPECIFICATIONS :

**Make :** YOG

**Types :** J,K,R,S,N,B type Thermocouple & RTD

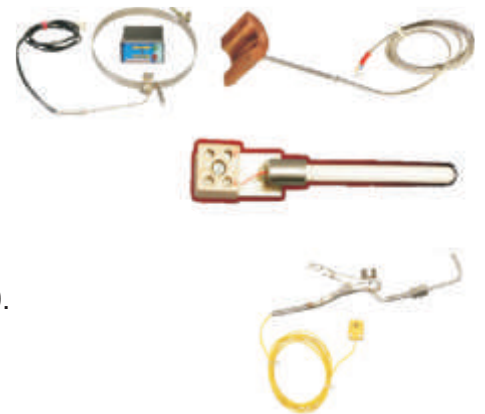
**Types of junction :** Grounded, Ungrounded

**Range :** upto 1800° C.

**Types of sheath :** SS 310, SS 446, SS304, SS316, Inconel 600, KER 710.

**Shapes & sizes :** As per requirement or application.

**Cable :** Tef / Tef, Tef / Tef / SS or As per application.



## MOLTEN ALUMINIUM/FURNACE SENSOR

### SPECIFICATIONS :

**Make :** YOG

**Type :** K Simplex/ Duplex

**Range :** 0 to 1200 °C

**Sheath OD :** 12mm to As per Customer Requirement.

**Termination :** Al. Head or As Per Customer Requirement.

**Sheath Material :** Graphite / Cast Iron

**Shapes & Sizes :** As per requirement or Application.



## SENSOR WITH SPECIAL COATING [TEFLON/PTFE/STELLITE/TUNGSTEN CARBIDE/CHROMIUM]

### SPECIFICATIONS :

**Make :** YOG.

**Type :** Thermocouple & RTD

**Assembly :** Simplex/Duplex

**Types of Insulation :** Ceramic insulation, Mineral insulation

**Types of Junction :** Ungrounded, Grounded

**Types of Sheath :** SS304, SS310, SS316, SS446, Inconel 600, Recrystallised Alumina. or As per Customer Requirement.

**Sheath OD :** 3mm to As per Customer Requirement.

**Shapes & Sizes :** As per Requirement or Application.

**Termination :** Flameproof Head/ weather-proof Head.

**Coating :** PTFE Coating/TEFLON/TUNGSTEN CARBIDE/STELLITE



**Customised Sensor :** Apart From Regular Sensor, We do the Design & Development as per the Application & Customer Requirement. We have Variation of Sensor From 0.5 mm OD to as per requirement & 10 mm length to as per the need of Customers.

## THERMOWELLS

### SPECIFICATIONS:

**Make :** YOG

**Type :** Barstock /Fabricated

**Thermowell OD :** 6mm to As per requirement.

**Thermowell Length :** 50mm to As per requirement.

**Process connection :** BSP, NPT or As per Threading Sizes / Flanges

**Coating :** TEFLON COATING, Tungsten Carbide, Chromium.

**MOC :** SS304 / SS316 / SS310 / SS446



## LEVEL SENSOR / SWITCHES

### SPECIFICATIONS :

**Make :** YOG

**Application Type :** Water /Oil / liquid level

**Tube OD :** As per Customer Requirement.

**Contact :** NO / NC

**Float MOC :** SS, Teflon, Nylon

**Mounting :** Vertical, Horizontal, Head, Flange.



## DIGITAL PROCESS INDICATORS & CONTROLLERS

### SPECIFICATIONS :

**MAKE :** YOG

**Input :** RTD / Thermocouple / 4-20mA / 0-1 Volt

**Output :** Relay [2Amp/230 VAC] / 4-20 mA / 0-10 V dc [Optional]

**Accuracy Of Indication :**  $\pm 0.5\%$  of FS  $\pm 1$  Digit

**Operating Temperature :** 0 °C to 50°C

**Supply Voltage :** 230 VAC  $\pm 10\%$ , 50 Hz.

**Size :** 96 x 96 mm, 72 x 72 mm, 1", 2", 4"

**Display :** Single / Double

**[PID CONTROLLERS :-As Per Requirements]**



## HANDHELD/PORTABLE TEMP. INDICATOR

### SPECIFICATIONS :

**Make :** YOG

**Input :** RTD [Pt – 100], Thermocouple ['J', 'K']

**Range :** RTD [Pt-100] = 0°C to 199.9 °C

**'J' Type :** 0 °C to 600 °C, **'K' Type :** 0 °C to 1200 °C

**Indication :** Display

**Accuracy Of Indication :**  $\pm 0.5\%$  Of FSD  $\pm 1$  Digit

**Supply Voltage :** 9V Battery Operated

**CONNECTORS :** RF/OMEGA or As per requirement.



## FLAME PROOF HOUSING FOR INDICATOR & CONTROLLERS

**Input :** RTD

Thermocouple ['J', 'K', 'R', 'S', 'T', 'N']

**Range :** RTD [Pt-100] = 0°C to 199.9 °C

'J' = 0 °C to 600 °C 'K' = 0 °C to 1200 °C

**Indication :** Seven Segment Led 3.5 Digit 1/2" Size

**Accuracy Of Indication :**  $\pm 0.5\%$  Of FSD  $\pm 1$  Digit

**Supply Voltage :** 24Vdc/230 VAC



## TIMERS / COUNTERS / RPM / HOOTER

### SPECIFICATIONS :

**Input Signals :** Start, Hold, Reset, Pulse

**Range :** 999.9 sec, 9999sec, 99.59min, 9999min and 99.59hour

**Mode :** On/OFF Delay, Cyclic On / OFF

**Counting Method :** (UP) / (Down).

**Start I/P Method :** Instantantaneous / Pulse / Gate Start.

**Accuracy :** 0.01% or 100ms Whichever Is Greater

**Input :** NPN or PNP, 0 to 12V, Pulse P.F. Contacts

**Display :** 4 Digit 7 Segment 12.5mm High LED Display

**Size :** 72 x 72 mm / 96 x 96 mm or As per requirement.



## DATA LOGGER / SCANNERS

### SPECIFICATIONS :

**Input :** Universal

**Output :** Common Relay

**Power Supply :** 85 to 230 V AC [50 Hz]  $\pm$  10%

**Resolution :** 1°C - Tc, 0.1 °C RTD

**No of Channels :** 8, 16, 24, 32 or As per Application

**Interface :** RS 232 / 485 Interface Printer Output + USB Port

**Memory :** 16 MB Max Expandable to 512 MB Max

**Channel Indication :** With number

**Size :** 96x96, 8"TFT touch Screen



## TEMPURATURE TRANSMITTERS / SIGNAL CONVERTORS / ISOLATORS

### SPECIFICATIONS :

**Input :** PT-100 RTD, 2 or 3 Wires / Thermocouple

**Output :** 2 Wire 4 to 20mA Corresponding to Defined Input Temperature Range.

**Operating Voltage :** Nominally 24VDC, Can Range from 12V to 36V

**Basic Accuracy :** +/- 0.25% for RTD, +/- 75% for Thermocouple.

**Linearization Circuitry Error :** <0.05% of Span at Any Current.

**Ambient Range :** 0 to 50° C.

**Protection :** Reverse Polarity Protected to 500V Surge Suppression at 50VDC

**Operating Humidity Limit :** 10 to 90%, Non-condensing.

**Indications :** RED LED "ON" Indicates that unit is operating in Loop.

**Mounting :** Din Rail / Head Mounted / Turtle Head



## HUMIDITY INDICATOR & CONTROLLER RH %

### SPECIFICATIONS :

**Input :** 4 – 20 mAdc / 0 – 1Vdc

**Output :** Relay

**Range :** 0 – 100% Rh

**Aux Supply :** For Rh sensor 9Vdc [in built]

**Power Supply :** 24 Vdc /230Vac +/- 10%, 50Hz

**Size :** 96 X 96 mm, 1", 2", 4"



## HEATERS

### BAND / NOZZLE / CATRIDGE / STRIP HEATERS

#### SPECIFICATIONS:

**Make :** YOG

**Dia :** As per Customer Requirement.

**Watt :** As per Customer Requirement / Suitable for Heater Dimension

**Supply :** 230 Vac or As per Customer Requirement.

**Cable :** As per Customer Requirement



### BOBBIN / IMMERSION / TUBULAR HEATER

#### SPECIFICATIONS :

**Make :** YOG

**Supply :** 440Vac or 230 Vac (2 Terminal) [3 Terminal] to as per the Customer Requirement.

**Size :** As per Customer Requirement.

**Watt :** As per Customer Requirement.



### HEATER FOR COMPOSITE / WASTE MANAGEMENT / INCINERATOR M/C

#### CERAMIC BAND HEATER

**Width :** 3" or as per customer requirement.

**Length :** as per customer requirement.

**Voltage :** 230/440 V AC

**Watt :** suitable for the dimension.



### CONTROL PANEL AND CUSTOMIZED PRODUCTS

We are leading manufacturers of control panel Such as Industrial Control Panel, Instrumentation Control Panel like Switchgear Control Panel, Electronic Panel, PLC Control Panel, Electrical Control panel, Automation Control panel, Process Control panel, Oven Control panel & Control Panel for Heat – Treatments, Level Control panel, Pressure Control panel, Alarm Control panel, Heater Control Panel, Furnace Control Panel etc.....



Also Manufacturing big display Indicators & Controllers, Peak Latch Indicators, Hourly Production Indicator m/c etc. in 1", 2", 4", 6" or as per the customer requirement.



## BROUGHT OUT PRODUCTS

### PRESSURE SWITCHES



### INFRARED TEMPERATURE GUN



### PRESSURE GAUGES



### TEMPERATURE GAUGES



### SOLIDE STATE RELAYS



### TEMPERATURE SWITCHES



### PROXIMITY SWITCHES

Available in different sizes M8, M12, M18 & M30 Inductive, Capacitive & Photoelectric.



## ACCESSORIES

### A] Thermocouples & Rtd Connectors



#### Specifications :

We can provide connectors with sensor As per your requirement like K Type, J Type, T Type connectors. & also RF, 3Pin, RTD connectors.

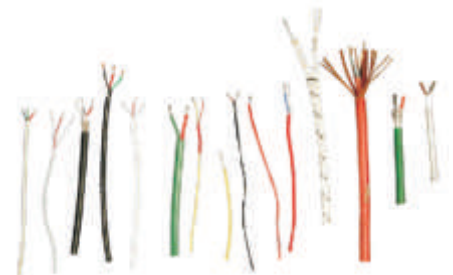
### B] Process Connection



#### Specifications :

We offer an extensive range of Process Connection (SS304, SS316, SS310, SS446/ Inconel 600/ Inconel 800/ Mild Steel/ Ceramic Sheath/ RC Tube).

### C] Cables



#### Specifications :

Compensating Cable Extension, Instrumentation Cable, Multicore Cable & As per Industry Requirement



Since 1986

# YOG ELECTRO PROCESS PVT.LTD.<sup>TM</sup>

*Industry Specific Solutions*

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