

## ⚙ Description:

These are Digital Indicators for the measurement of high vacuum in the Pirani Range upto 0.001 mBar. The indicator is panel mounting type with a Pirani Gauge Head (Sensor) which can be clamped onto the point of measurement using a KF Clamp fitting. Models are available for vacuum measurement from 999 mBar (Atmospheric) to 0.001 mBar (1 micron) & from 1 mBar to 0.001 mBar (1 micron) depending on the application. The display is an intelligent 3 Digit 7 segment LED display with auto decimal resolution setting.



All Pirani Gauges are based on the principle of measurement of thermal conductivity of gases. The Digital Pirani Gauges come with a single gauge head or a dual gauge head enabling the use of one instrument to measure the vacuum of 2 points. The Digital Pirani Gauge is a direct replacement for the conventional Analog Pirani Gauges & is mains operated on Single Phase , 230 V.A.C. supply.

## ⚙ Features :

Vacuum Measuring Range	: 1000 mBar to 0.001 mBar ( 1 Micron ) or 1 mBar to 0.001 mBar ( 1 Micron )
Principle	: Pirani Principle Based on Thermal Conductivity of Gases to Measure Negative Pressure (Vacuum)
Gauge Head	: Single Pirani Gauge Head with KF Clamp
Accuracy	: +/- 1 % of Reading
Display	: 3 Digit 0.5" High Red LED
Power	: 230 V.A.C. , 50 Hz.
Size	: 96 x 96 x200 mm. ( LxBxD)
Optional Extra	: 1 Set NO/CO/NC Relay contact for Set Point Controller



## ⚙ Features :

Setting	:	By 4 keys on the front stainless steel panel
Buzzer	:	Integrated buzzer for Alarm in case of process violation of any of the 3 parameters
Supply Voltage	:	24VDC, 250mA/ Optional Any Other Required Voltage
Mounting	:	Wall mounting / Modular Wall mounting with Stainless Steel Front. Flush Plate for Clean Rooms
Sensors	:	Integrated Humidity & Temperature Sensor flushed to front plate Built in differential pressure sensor with Brass Hose Nipples (Chrome Plated) for Differential Pressure At Rear ( 4nim x 2 Nos.) Optional External Humidity & Temperature Sensor
Communication	:	RS 485 Modbus Protocol (Optional)
Dimension	:	Enclosure : 74(W) X 72(H) X 40(D) mm. Stainless Steel Front Plate : 110W x 90 (H) mm
Enclosure	:	M.S. Powder Coated Body with Stainless Steel Front Flush Plate for Modular Wall Mounting /Optional Brick Wall Mounting

