

DIGITAL PIRANI GAUGE



MODEL DHPG-210

The Digital Pirani Gauges are specialized monitoring instruments designed for the accurate 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 . The instrument measures accurately in the Pirani vacuum range from 999 mBar (Atmospheric) to 0.001 mBar (1 micron).

The Digital Pirani Gauge has an intelligent microcontroller design & the display is a 4 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 an optional 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 mainly operated on Single Phase , 230 V.A.C. supply.

Also available is the Digital Pirani Gauge with Set Point Controller (Model AI-DHPC-011S) with a relay output, adjustable from front potentiometer.

The Digital Pirani Gauges find extensive use in Sputtering Units, Coating Units, Ejector Systems, diffusion pumps & similar high vacuum applications requiring measurement upto 0.001mbar.



Technical Specifications :

Vacuum Measuring Range	:	999 mBar to 0.001 mBar (1 Micron)
Principle	:	Pirani Principle based on thermal conductivity of Gases to measure negative pressure (Vacuum)
Gauge Heads Model DHPG-210 Model DPRG-015	:	Single Pirani Gauge Head with KF Clamp 2 Nos.Gauge Heads with 2 Nos. KF Clamps, selected by front push button Single Pirani Gauge with KF Clamp
Model DHPC-011S Analog Output (Algorithmic) (Only Models DHPG-201)	:	0 to 10 V.D.C. corresponding to 999 to 0.001 mBar for connecting recorders/PLC/Communication (Algorithmic)
Relay Output	:	Relay Set Point available only on Model DHPC-011S (1 Set of NO/CO/NC)
Accuracy	:	+/- 10 %
Display	:	4 Digit 0.5" High Red LED Intellegent Display with Auto Decimal Resolution
Power	:	230 V.A.C. , 50 Hz
Size	:	96 x 96 x220 mm. (LxBxD)