

Digital High Pressure Pirani Gauge



The HINDHIVAC High Pressure Pirani gauge model DHPG 101S is a vacuum measuring instrument designed for use with the thermal conductivity Type gauge head (sensor). This provides all necessary bridge circuit, and signal conditioned analog output. This instrument has one sensor, having range from 1×10^3 to 1×10^{-3} m.bar The control instrument provides necessary stabilised power supplies & bridge elements, to sensor. These instruments can be used in high vacuum systems, coating units, sputtering units, and many other applications. Having wide pressure range these instruments can also be used in vacuum impregnation units, Epoxy mixing and casting units and similar processing equipment operating in the range of 10 to 10^{-1} m.bar. The instrument is simple to operate having only two control knobs on front panel. Mains indicator is provided on the front panel to clearly indicate the power ON or OFF condition.

The rear panel is provided with DIN type CONNECTORS, for gauge head (GH) along with mains cord, fuse and analog output terminals.

The 0 to 10 volts analog out put can be used for recorder or external set point controller.

TECHNICAL SPECIFICATIONS

Model No.	DHPG - 101S/ 102S
Power requirement	230V AC $\pm 10\%$, 50 Hz 10 Watts approx
Physical size	Front Bezel - 98 x98 mm, depth 236 mm
Fuse	250 m.a-Glass cartridges 5x20 mm
Operating Temp.	0 to 45°C
Pressure range	1000 mbar to 0.001 mbar
Gauge Head (sensor)	Pirani model HPS-2
Number of sensor	One
Analog output	0-10 volts (non-linear)
Cutout size	92 mm x 92 mm

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