



PRECISION PRESSURE REGULATOR-DIGITAL DISPLAY

Model:PSI-PPR1D

Available Model:

PSI-PPR-1D

Generation of precisely controlled and stable air flow is highly mandatory for calibration of analogue and digital air flow meters and calibrators for all types of flow calibration laboratories. Polltech, a leading manufacturer of digital flow meters and calibrators in India has been getting requests from our customers to provide this system. An essential requirement to generate precise and stable flow is to provide constant inlet pressure to control element over the flow range of interest. The need for a precision pressure regulator is met with our newly developed Precision Pressure Regulator with digital display of outlet pressure Model PSI-PPR-1D for precise and stable outlet pressure for flow control of very low flows and medium flows up to 100 lpm.

The equipment consists of an imported precision pressure regulator with a very low-pressure change, from zero flow to about 100 lpm air flow. The output pressure is measured by a pressure sensor and displayed on a 4-digit LED display with a resolution of 0.1 psi. An auto zero key is provided to make display reading to zero when no pressure is applied to the sensor.



Detailed Technical Specifications:

Input Air Pressure Maximum	100PSIG from Zero air generator or compressed air system/ cylinder
Outlet Air Pressure	Up to 30 PSIG
Design	Microprocessor Based
Output Pressure Display	4-Digit Seven Segment LED
Pressure Sensor	Solid State Piezo-resistive. Accuracy-0.5% FS
Pressure Control Precision	0.1 PSIG
Pressure Control Stability	+/- 0.2 PSIG over a flow output from 0 to 100 lpm
Pressure Control Operation	Through a Knob
Pressure Control Element	Imported Precision Pressure Regulator
Power	From Internal Li-ion Battery with Charge & Boost Circuit
Charging Adaptor	5 VDC from External USB Charger
Size and Weight	110x110x150mm; Weight < 1 kg.

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INDUSMATION LLC

Engg. & Marketing Off: 3837 Pine Valley Dr. Plano, TX 75025 USA

Phone: 631-901-8857 Email: info@indusmation.com

www.indusmation.com

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