

ROOM PRESSURE MONITORS WITH SPDT RELAY AND ANALOG OUTPUT



DPG701 Series

All Models
\$730



OMEGA's DPG701 room pressure monitor uses time-proven sensor technology to monitor critical room-to-room differential pressures. It is wall-mountable, and the installer can choose rear or bottom knockouts for electrical and pressure connections. Housed in a tough polycarbonate NEMA 13 (IEC529, IP65) enclosure, the DPG701 has a clear, gasketed cover that allows easy viewing of digital display and room status. Other features include an SPDT relay (for supplemental controls such as audible alarm or remote status indication) and 3 analog output signals—0 to 5 Vdc, 0 to 10 Vdc, and 4 to 20 mA—which are proportional to the room pressure.

SPECIFICATIONS

Accuracy: ±1% FS

Accuracy of Alarm Output: ±1% of setpoint (lights and relays)

Standard Range: ±0.1 inH₂O (or ±25 Pa)

Resolution: 0.001 inH₂O (or 0.1 Pa)

Optional Ranges: ±0.5, ±5, ±10 inH₂O

Panel Indicator Lights: One red and one green LED

Display: LCD, 3 digit, 13 mm (0.5") high

Alarm Output: SPDT relay, contacts rated at 5 A at 30 Vdc or 120 Vac, 4 Vdc at 240 Vac, resistive

Deadband: Preset at 5% of range, field adjustable from 1 to 20%

Analog Outputs: 0 to 5 Vdc, 2.5 Vdc at zero pressure; 2 mA max 0 to 10 Vdc, 5 Vdc at zero pressure; 2 mA max 4 to 20 mA sourcing, 12 mA at zero pressure; max loop resistance is 580 Ω

Power Requirements: 95 to 135/190 to 270 Vac, 50/60 Hz



DPG701-0.1, \$730, shown smaller than actual size.

Max Power Consumption: 5 W

Electrical Connection: ¾" terminal strip with #6 screws

Compatible Media: Air or non-corrosive, non-explosive gas

Maximum Momentary Pressure Limit: ±6.0 inH₂O

Enclosure Construction: Glass-filled polycarbonate, flammability rating of UL94 V-1

Cover Construction: Clear polycarbonate, flammability rating of UL94 V-2

Operating Temperature: 0 to 50°C (32 to 120°F)

Storage Temperature: -30 to 70°C (-20 to 160°F)

Effect of Temperature on Reading: ±0.05%/°C

Operating Humidity Range: 10 to 90% RH

Weight: 1.15 kg (2.56 lb)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	RANGE	RESOLUTION
DPG701-0.1	\$730	±0.1" WC (±25 Pa)	0.001" (0.1 Pa)
DPG701-0.5	730	±0.5" WC (±125 Pa)	0.001" (1 Pa)
DPG701-01	730	±1.0" WC (±250 Pa)	0.01" (1 Pa)

Comes with complete operator's manual.

For optional 24 Vac adaptor, add suffix "-24VAC", no extra charge.

Ordering Example: DPG701-0.1, wall-mounted room pressure monitor with range of -0.1 to 0.1 inches of water column, \$730.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4333	\$115	Reference Book: Plantwide Process Control



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