

ROOM PRESSURE MONITOR

± 0.05 to ± 5.0 inH₂O
 ± 25 to ± 1000 Pa

DPG300 Series



- ✓ Touch Screen Display
- ✓ BACnet™ Option Available
- ✓ Password Protection
- ✓ Local Audible Alarm
- ✓ Visual Red and Green Room Status Display
- ✓ SPDT Alarm Relay
- ✓ Variable Alarm Delay
- ✓ Positive and Negative Pressure Monitoring
- ✓ Bar Graph Display
- ✓ Selectable Units, WC, Pa, or cmWC
- ✓ Selectable Analog Output, 4 to 20 mA, 0 to 5 or 0 to 10 Vdc
- ✓ Accuracy 0.5% Standard; High Accuracy Optional

Ideal Applications

- ✓ Areas Requiring Positive or Negative Room Pressures
- ✓ Pharmaceutical Manufacturing
- ✓ Clean Rooms
- ✓ Research Laboratories
- ✓ Semiconductor Fabrication

OMEGA's DPG300 room pressure monitor is designed for critical low differential pressure applications that require stringent pressure monitoring and alarming. Optional BACnet network capability for integration in building automation control systems is available. DPG300 can monitor positive or negative air pressure in protected environments. It comes as a complete system that includes a convenient backlit RGB LCD



DPG300, shown smaller than actual size.

display with an intuitive graphic user interface for pressure, security, calibration and alarm set up. The touch-screen allows finger-tip access to menus that guide the user through setup. Visual red and green LEDs and local audible alarm, with a time delay feature to prevent nuisance alarms, alert personnel to system status. DPG300 also has a SPDT relay output for remote indication of system status.

SPECIFICATIONS

Accuracy:

Standard: $\pm 0.5\%$ BFSL

Option High: $\pm 0.25\%$ BFSL

Communications Option: BACnet

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

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

Operating Humidity: 5 to 95% RH (non-condensing)

Thermal Effects: $\pm 0.05\%$ full scale ($\pm 0.03\%$ full scale for high accuracy model)

Overpressure: ± 15 inWC for the ± 0.1 and ± 0.05 inWC, ± 1 psig for all other ranges

Pressure Media: Clean dry air, non-conductive, or non-corrosive gases only

Pressure Fittings: 1/4" OD barbed fittings (tubing TYSC-14316-100)

LCD Display: 128 x 128 mm (5 x 5") RGB backlit

Status Indicators: Green LED normal, red LED alarm

Enclosure: NEMA 1 (IP20), rated for indoor applications

Case: Fire retardant plastic

Dimensions: 203 H x 130 W x 46 mm D (8 x 5.1 x 1.8")

Weight: 680 g (1.5 lb)

Electrical Connection: Removable terminal block

Mounting: 102 x 102 mm (4 x 4") plaster ring (mounts to double gang electrical box)

