

9 VOLT BATTERY, 1 YEAR+ BATTERY LIFE

DPG201 is a microcontroller-based, high performance battery operated, Differential Pressure Indicator. It has an integral dual 4-digit LCD display. The circuit is designed for ultra-low power consumption. This gives a battery life in excess of 1 year with a standard 9 volt alkaline battery. It can be configured for parameters such as unit, bias, sampling interval using 4 keys.

- Battery operated
- 1 year+ battery life (Duracell 9V, Alkaline)
- High Accuracy
- Software calibration - no trimpots
- IP65, rugged construction
- Dual 7-segment LCD display
- Programmable sampling interval, unit, bias, etc
- RTC display



**SPECIFICATIONS**

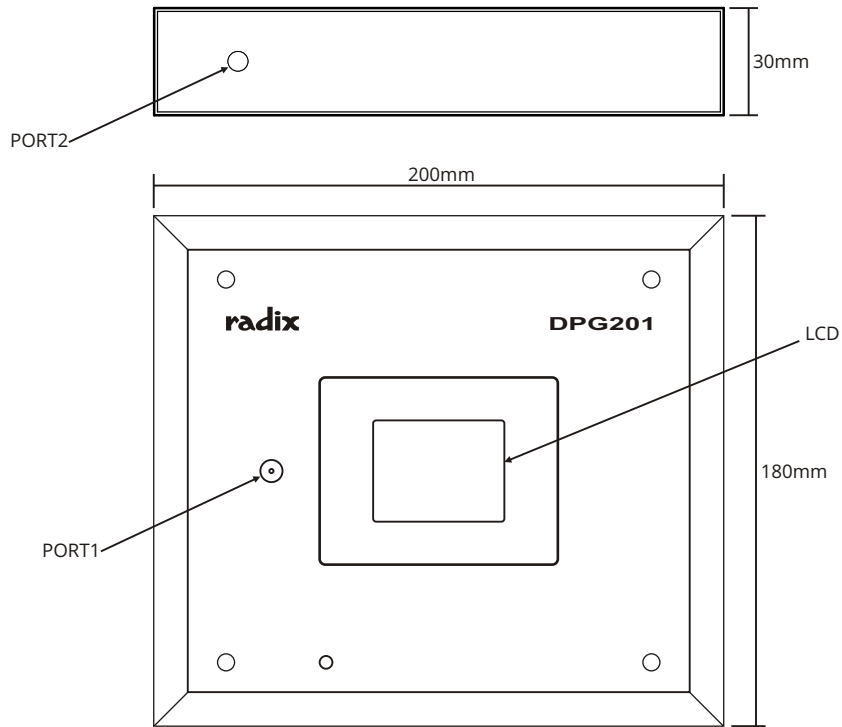
Specifications & features are subject to change without notice. All specifications at ambient of 25 °C, unless specified otherwise.

<p><b>INPUT</b> Unit of measurement Range Resolution</p> <p><b>ACCURACY</b> Linearity &amp; calibration Sampling interval</p> <p><b>REAL TIME CLOCK</b> Display Accuracy Format</p> <p><b>POWER / BATTERY LIFE</b> Battery  Battery life</p>	<p>Pa, mmWC, mbar, inWG, inHg, PSI, mmHg See Table 1 See Table 1</p> <p>See Table 1 1 to 25 seconds, user programmable</p> <p>HH : MM ± 60 seconds / month 12 hours, 24 hours (Programmable)</p> <p>9 Volts, NEDA 1604, IEC6F22 (Recommended : Duracell, Alkaline, MN1604) 1 year+ (Duracell, Alkaline, MN1604, 2 seconds sampling interval)</p>	<p><b>TEMPERATURE, HUMIDITY</b> Ambient, storage Ambient, operation Relative humidity</p> <p><b>PROGRAMMABLE PARAMETERS</b> Unit Resolution Display update rate Time Display bias</p> <p><b>MECHANICAL</b> MOC  Dimensions (in mm) Mounting Modular panel Brick wall  Cutout (in mm)</p>	<p>-25 to +70 °C 0 to +50 °C 0 ~ 100% RH</p> <p>Faceplate : SS304 Body : MS, powder coated 200(W)x180(H)x30(D) mm</p> <p>50 mm or more Using accessories grouting box and SS304 interface plate (both to be ordered separately) 174(W) x 165(H)</p>
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**TABLE 1**

UNIT	TYPICAL ACCURACY AT 30 °C (°C / % SPAN)	WORST CASE ACCURACY (°C / % SPAN)	MIN SPAN	RESOLUTION
Pa	± 0.5% ± 2 Pa	± 1.5% of reading ±3 Pa	10% of full scale	1
mmWC	± 0.5% ± 0.2 mmWC	± 1.5% of reading ±0.3 mmWC	10% of full scale	0.1
mbar	± 0.5% ± 0.02 mbar	± 1.5% of reading ±0.03 mbar	10% of full scale	0.01
inWG	± 0.5% ± 0.008 inWG	± 1.5% of reading ±0.012 inWG	10% of full scale	0.01
PSI	± 0.5% ± 0.0003 PSI	± 1.5% of reading ±0.00045 PSI	10% of full scale	0.001
inHg	± 0.5% ± 0.0007 inHG	± 1.5% of reading ±0.0008 inHG	10% of full scale	0.001
mmHg	± 0.5% ± 0.016 mmHG	± 1.5% of reading ±0.024 mmHG	10% of full scale	0.01

**DIMENSIONAL DETAILS**



**ORDERING INFORMATION**

ORDER CODE	
2486	A

A	Range	
01	-10.0~10.0 mmWC	
02	-100.0~100.0 mmWC	Default Order Code
03	-200.0~200.0 mmWC	
04	-500.0~500.0 mmWC	

Note : Range and unit, eg -200 to +400 Pa, should be specified when ordering.  
 User can also select range and unit using 4 keys provided inside the instrument.



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