

Differential Gas Pressure (DGP) (Gas Pressure) -2 to 2 kPa ($\pm 6.5\%$) Smart Box

Product Codes: DGGaSB1095

The Differential Gas Pressure Smart Box is designed to measure both positive and negative pressure between -2 kPa up to +2 kPa.



Sensor Specifications

Measurement Type	Gas Pressure (Differential)
Operating Temperature	10 to 60°C
Storage Temperature	10 to 60°C
Measurement Range	-2 kPa to +2 kPa
Response Time, (Sensitivity)	1 ms
Repeatability	N/A
Accuracy	$\pm 6.5\%$
Life Expectancy	N/A
Sensor Type	Gas Pressure (Differential)
Sensor Cable Length	N/A
Certified	No

Smart Box Specifications

Operating Temperature	-40°C to +85°C
Storage Temperature	-40 to 105°C
Air Data Rate	250 kb per second
Channels	16 (IEE 802.15.4 channels 11-26)
Hardware Supported Encryption	AES128
Analogue Digital Resolution	Up to 12 bits
Sample time for 12 bit conversion	680 μ s

Power Supply Option

Standard PSU mains
Water Resistant PSU mains
Battery 9V (Replaceable)
Battery (Rechargeable)
Solar & Battery (Rechargeable)

Smart Box Housing IP Rating

Indoor	IP50
Outdoor Splash proof	IP51
Outdoor - water jet	IP65
Outdoor - Immersion	Contact Us
Outdoor Explosion Proof	Contact Us



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Antenna Options (Range)		Code
Internal	(60m)	i
Large	(700m)	L
Right-Angle	(300m)	R
Small Stub	(300m)	S