

Absolute Gas Pressure (AGP) (Gas Pressure) 15 - 115 kPa ($\pm 1.5\%$) Smart Box

Product Codes: AGGaSB1100

The Absolute Gas Pressure Smart Box is designed to measure the absolute pressure of its environment and can measure pressures from 15 kPa up to 115 kPa.



Sensor Specifications

Measurement Type	Gas Pressure (Absolute)
Operating Temperature	-40 to 125°C
Storage Temperature	-40 to 125°C
Measurement Range	15 kPa to 115 kPa
Response Time, (Sensitivity)	1 ms
Repeatability	N/A
Accuracy	$\pm 1.5\%$
Life Expectancy	N/A
Sensor Type	Gas Pressure (Absolute)
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	680µs

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