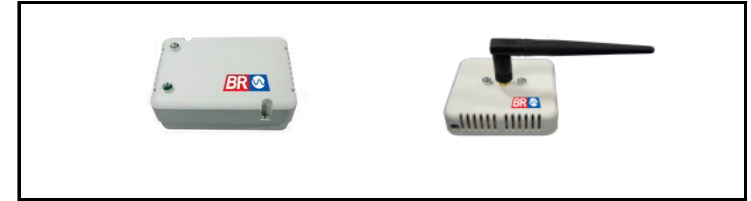


Air Pollutants (AP) (Ambient) NH₃, H₂S, CH₃-CH₂-OH, C₆H₅CH₃ (For Detection) Smart Box

Product Codes: APAmSB1029

The Air Pollutant Smart Box is designed to be used to detect a variety of gases in a number of environments being both versatile and reliable. It is able to detect gases from 1 to 30 parts per million (ppm).



Sensor Specifications

Measurement Type	MOS (Metal Oxide Semiconductor)
Operating Temperature	-10 to 60°C
Storage Temperature	-10 to 60°C
Measurement Range	1 - 30 ppm
Response Time, (Sensitivity)	3 Seconds
Repeatability	± 20 ppm ± 1% of measurement value
Accuracy	± 30ppm ± 3% of measured value
Life Expectancy	5 years
Sensor Type	Ambient
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