Ethane (C2H6) (Ambient) 0-3% Volume (±2%) Smart Box

Product Codes: COAmSB1178

The Ethane Smart Box is designed to measure the ambient Ethane from 0 to 3 % volume.



Sensor Specifications	
Measurement Type	NDIR
Operating Temperature	-20 to 50°C
Storage Temperature	-20 to 50°C
Measurement Range	0 to 3% Volume
Response Time, (Sensitivity)	<30s
Repeatability	±2% Vol
Accuracy	±10% of reading
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

BRITISHRESEARCH.COM

British Research Unit 4,
Vale Enterprise Centre, Hayes Rd.,
Sully, Vale of Glamorgan, CF64 5SY UK
Tel. 0044 (0) 1446 734012
Fax. 0044 (0) 5601 258134
Web: www.britishresearch.com

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