

Current (I) (External CT) 10 Amp AC (Measurement Error Max 0.5%) Smart Box

Product Codes: IExSB1131

The Current Smart Box is designed for the measuring of AC current up to 10 Amps.



Sensor Specifications

Measurement Type	Via External CT
Operating Temperature	-25° to 60°C
Storage Temperature	-25° to 60°C
Measurement Range	0 to 10 Amps
Response Time, (Sensitivity)	50ms
Repeatability	N/A
Accuracy	0.50%
Life Expectancy	N/A
Sensor Type	External CT
Sensor Cable Length	1m
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



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