DC Current Transducer (I) (External CT) 1m (BiDirectional) -50 to +50A DC (1%) Smart Box

Product Codes: IExSB1148

The DC Current Transducer Smart Box is designed for the measuring of DC current in either direction from -50 to 50 Amps.



Sensor Specifications	
Measurement Type	Via External CT
Operating Temperature	-10 to +80°C
Storage Temperature	-10 to +80°C
Measurement Range	-50 to +50 Amps
Response Time, (Sensitivity)	7 µs
Repeatability	N/A
Accuracy	1.00%
Life Expectancy	N/A
Sensor Type	External CT
Sensor Cable Length	1 Meter
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

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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