DC Current (I) (Direct Connect CT) 0 - 100mA (Measurement Error Max 0.5%) Smart Box

Product Codes: IDiSB1138

The DC Current Smart Box is designed for the measuring of DC current from 0 to 100 mA.



Sensor Specifications	
Measurement Type	Via Direct Connect CT
Operating Temperature	0 to 50°C
Storage Temperature	0 to 50°C
Measurement Range	0 to 100 mA
Response Time, (Sensitivity)	15 ms
Repeatability	N/A
Accuracy	0.50%
Life Expectancy	N/A
Sensor Type	Direct Connect 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

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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