Voltage (V) (Direct Connect) ±20 V (±1.5%) Smart Box

Product Codes: VDiSB1024

The Voltage Smart Box is designed to detect voltages between -20V and +20V.



Sensor Specifications	
Measurement Type	Voltage Detection
Operating Temperature	N/A
Storage Temperature	N/A
Measurement Range	± 20 Volt
Response Time, (Sensitivity)	N/A
Repeatability	N/A
Accuracy	± 1.5 %
Life Expectancy	N/A
Sensor Type	Direct Connect
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

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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