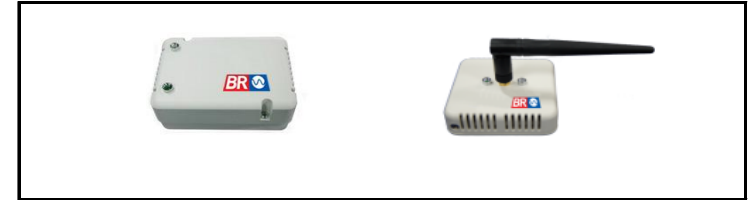


## Position (Pos) (Linear Displacement) 300mm (Repeatability Error Max: 0.003%) Smart Box

**Product Codes: ViViSB1108**

The Linear displacement sensing Smart Box is designed to be used to provide position feedback for moving parts.



### Sensor Specifications

Measurement Type	Movement
Operating Temperature	-20 to 70°C
Storage Temperature	-20 to 70°C
Measurement Range	0 to 300 mm
Response Time, (Sensitivity)	30µs
Repeatability	0.003%
Accuracy	0.003%
Life Expectancy	100 million actuations
Sensor Type	Probe
Sensor Cable Length	2.5m
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



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