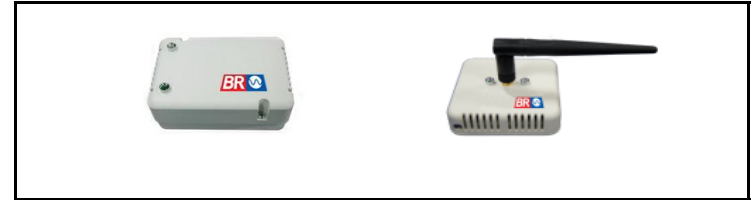


Resistive Force (RF) (Load Cell Force) 0 - 100lb (0N - 444.8N) ($\pm 2.5\%$) Smart Box

Product Codes: RFLoSB1086

The Resistive Force Smart Box is designed for the measuring of force up to 100 lb.



Sensor Specifications

Measurement Type	Force Sensitive Resistor
Operating Temperature	-9 to 60°C
Storage Temperature	-9 to 60°C
Measurement Range	0 to 444.8 N
Response Time, (Sensitivity)	5 μ s
Repeatability	Error Max: $\pm 2.5\%$
Accuracy	$\pm 2.5\%$
Life Expectancy	1 million actuations
Sensor Type	Load Cell Force
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	680 μ 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



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