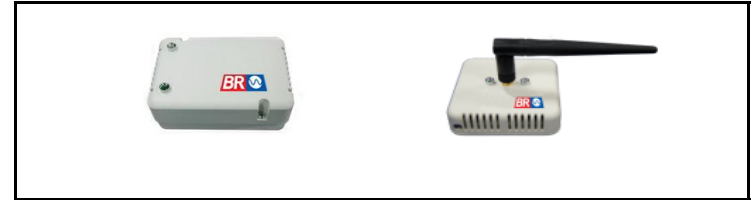


## Resistive Force (RF) (Load Cell Force) 0 - 1lb (Repeatability Error Max: ±2.5%) Smart Box

**Product Codes: RFLoSB1059**

The Resistive Force Smart Box is designed for the measuring of force up to 1 lb.



### Sensor Specifications

Measurement Type	Force Sensitive Resistor
Operating Temperature	-9 to 60°C
Storage Temperature	-9 to 60°C
Measurement Range	0 to 4.4 N
Response Time, (Sensitivity)	5 µs
Repeatability	Error Max: ± 2.5%
Accuracy	±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	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



British Research Unit 4,  
Vale Enterprise Centre, Hayes Rd.,  
Sully, Vale of Glamorgan, CF64 5SY UK  
Tel. 0044 (0) 1446 734012  
Fax. 0044 (0) 5601 258134  
Web: www.britishresearch.com

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