

ISB GLOBAL'S FAMILY OF IOT DEVICES

Our family of IoT devices offer adopters the latest state of the art level sensors that can be used in a wide range of industries not, just exclusive to the waste and recycling sectors. These robust devices can be utilised wherever accurate and remote measurement is required. Our Pushbutton tracker provides class-leading technology and capabilities that meet a range of asset management sector requirements, as well as a host of other uses.

Description	Pushbutton Tracker	Sally Level Sensor	Wally Level Sensor	Hub Device	Hub 4G [Coming Soon]
					
Ultrasonic capabilities					
Ultrasonic waste level measurement	n/a	Yes	Yes	n/a	n/a
Able to measure up to 8 individual objects up to 11m range	n/a	Yes	Yes	n/a	n/a
Accuracy to 11m range	n/a	+/-2cm	+/-2cm	n/a	n/a
Connection capabilities					
Geolocation	GPS & GLONASS	GPS & GLONASS	n/a	GPS & GLONASS	GPS, GLONASS and BeiDou/Compass, Galileo, QZSS
GSM connectivity	Yes	2G	n/a	2G	2G / 4G Nb-IoT / 4G CAT M1
LoRa connectivity	n/a	Optional	Yes	Optional	Optional
EU LoRa frequencies	n/a	868 MHz	868 MHz	868 MHz	868 MHz
US LoRa frequencies	n/a	915 MHz	915 MHz	915 MHz	915 MHz
WiFi	Optional	n/a	n/a	Optional	Optional
Bluetooth LE	Optional	Optional	n/a	Optional	Optional
Rugged design					
Ruggedised casing	Yes	Yes	Yes	Yes	Yes
Waterproof to IP67	Yes	Yes	Yes	Yes	Yes
Battery types					
Rechargeable	Yes	Yes	Yes	Yes	Yes
Longevity	up to 5 years	up to 5 years	up to 5 years	up to 5 years	up to 5 years
Operating temperatures	0-60° c	0-60° c	0-60° c	0-60° c	0-60° c
Non-Rechargeable	Yes	Yes	Yes	Yes	Yes
Longevity	up to 20 years	up to 20 years	up to 20 years	up to 20 years	up to 20 years
Operating temperatures	-30-60° c	-30-60° c	-30-60° c	-30-60° c	-30-60° c

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Sensors					
Inbuilt temperature sensor	Yes	Yes	Yes	Yes	Yes
Basic motion sensor (general motion detection)	Optional	Optional	Optional	Optional	Optional
Specific motion detection (e.g drop, shock or tilt)	Optional	Optional	Optional	Optional	Optional
EU LoRa frequencies	n/a	868 MHz	868 MHz	868 MHz	868 MHz
US LoRa frequencies	n/a	915 MHz	915 MHz	915 MHz	915 MHz
WiFi	Optional	n/a	n/a	Optional	Optional
Bluetooth LE	Optional	Optional	n/a	Optional	Optional
Remote capabilities					
Device can self-locate indoors	Yes	Yes	Yes	Yes	Yes
Remote customisable / configuration	Yes	Yes	Yes	Yes	Yes
Remote firmware updates	Yes	Yes	No	Yes	Yes
Device mountability					
Mounting	Powerful magnet as standard, optional stainless steel mounting bracket	Powerful magnet as standard, optional stainless steel mounting bracket	Powerful magnet as standard, optional stainless steel mounting bracket	Powerful magnet as standard, optional stainless steel mounting bracket	Powerful magnet as standard, optional stainless steel mounting bracket
Data reporting to mobile device	iOS/Android	iOS/Android	iOS/Android	iOS/Android	iOS/Android
Fully tested	Yes	Yes	Yes	Yes	Yes
Pricing Structure					
1 to 100 units purchased*	£85	£85	£85	£85**	POA
101 to 500 units purchased*	£82.50	£82.50	£82.50	£82.50**	POA

*Standard unit including 1st 12 months basic data connection package

**Does not include any data connection package. This is a hardware price only



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