

Specifications

Command Modules

Model

PT300



PT300D



Coverage	USA Only	Worldwide (including USA)
Carriers	Sprint / Verizon / Sendum	Contact Sendum for an up-to-date list

Radios

Cellular and Wireless

CDMA 1XRTT	800(BC0)/1900(BC1)	800 (BC0/BC10)/1900 (BC1)
CDMA EVDO	N/A	800 (BC0/BC10)/1900 (BC1)
GSM/GPRS/EDGE	N/A	850/900/1800/1900
UMTS/HSPA+	N/A	800 (B6)/850 (B5)/900 (B8)/1900 (B2)/2100 (B1)
GPS	1575.42MHz (L1)	1575.42MHz (L1)
GLONASS	N/A	1602MHz
Wi-Fi	N/A	2.4GHz 802.11bgn

Regulatory

North America	FCC: Part 15, 22, 24	FCC: Part 15, 22, 24,27 IC: RSS132, RSS133 IC: RSS132, RSS133, RSS139 NAPRD.03 V5.11
European	N/A	3GPP TS 51.010-1 ETSI EN 301 511 V9.0.2 GCF-CC V3.45 ETSI EN 301 489-01 V1.8.1

Temperature Range




Active Use	-20°C to +65°C / -4°F to +140°F	-20°C to +65°C / -4°F to +140°F
Storage	-20°C to +40°C / -4°F to +104°F	-20°C to +40°C / -4°F to +104°F

General

SIM	N/A	Embedded SIM (Soldered)
Antenna	Internal CDMA, GPS	Internal CDMA, GSM/GPRS/EDGE/UMTS/HSPA+, GPS, GLONASS
For use on aircraft	Yes (when used with Advanced Sensor Pack)	Yes (when used with Advanced Sensor Pack)
Radio Sensors	RSSI for CDMA	RSSI for CDMA, GSM, UMTS, HSPA+, and Wi-Fi
Temperature Range		
Active Use	-20°C to +65°C / -4°F to +140°F	-20°C to +65°C / -4°F to +140°F
Storage	-20°C to +40°C / -4°F to +104°F	-20°C to +40°C / -4°F to +104°F

Specifications (continued)

Sensor and Accessory Packs

Packs	Basic Sensor Pack (BSP)	Advanced Sensor Pack (ASP)	Accessory Pack (AP)
			
Model Number	BFA10062	BFA10063	BFA10077
Operating Range	-20°C to +60°C / -4°F to +140°F	-20°C to +60°C / -4°F to +140°F	-20°C to +60°C / -4°F to +140°F
Motion	Three Axes ±2.0g, ±4.0g, ±8.0g, ±16.0g	Three Axes ±2.0g, ±4.0g, ±8.0g, ±16.0g	Three Axes ±2.0g, ±4.0g, ±8.0g, ±16.0g




Sensors

Orientation	Yes	Yes	Yes
Ambient Light	N/A	0...20,000 lux (0...30,000 lumens/m ²)	0...20,000 lux (0...30,000 lumens/m ²)
Infrared Light	N/A	0...20,000 lux (0...30,000 lumens/m ²)	0...20,000 lux (0...30,000 lumens/m ²)
Relative Humidity	N/A	0% to 80% RH +/- 3% 80% to 95% RH +/- 5%	0% to 80% RH +/- 3% 80% to 95% RH +/- 5%
Barometric Pressure Sensor	N/A	260 to 1260 mbar absolute pressure range	260 to 1260 mbar absolute pressure range
Temperature	N/A	-10°C to +85°C +/- 0.4°C -20°C to -10°C +/- 1°C	-10°C to +85°C +/- 0.4°C -20°C to -10°C +/- 1°C
GPS Jamming Detection	Detects GPS Jamming	Detects GPS Jamming	Detects GPS Jamming
Battery Fuel Gauge	Sendum proprietary fuel gauge provides % full, cycle count	Sendum proprietary fuel gauge provides % full, cycle count	N/A
Radio Sensors	Refer to Command Modules Section	Refer to Command Modules Section	Refer to Command Modules Section

Housing

Button	Programmable Non-Mechanical Touch	Programmable Non-Mechanical Touch	Programmable Mechanical Button
LEDs	Three Cellular Coverage (programmable) Battery Capacity (programmable) Battery Charge	Three Cellular Coverage (programmable) Battery Capacity (programmable) Battery Charge	Three Cellular Coverage (programmable) Not Defined (programmable) Not Defined (programmable)
Enclosure	Plastic	Plastic	Plastic
Handling Drop	1 Meter / 3 Feet onto concrete	1 Meter / 3 Feet onto concrete	1 Meter / 3 Feet onto concrete
Humidity	<95% non-condensing	<95% non-condensing	<95% non-condensing
Vibration	Up to 500Hz random 1.25G rms	Up to 500Hz random 1.25G rms	Up to 500Hz random 1.25G rms

Specifications (continued)

Packs	Basic Sensor Pack (BSP)	Advanced Sensor Pack (ASP)	Accessory Pack (AP)
			
Weight	100 g	100 g	30.4 g

Battery¹

Battery Size	3760 mAh lithium-ion	3760 mAh lithium-ion	N/A
Rechargeable	Yes	Yes	N/A
Battery Cycles	300 full charge cycles to 80% 500 full charge cycles to 70%	300 full charge cycles to 80% 500 full charge cycles to 70%	N/A
Temperature Range			
Active Use	-20°C to +60°C / -4°F to +140°F	-20°C to +60°C / -4°F to +140°F	N/A
Storage	-20°C to +25°C / -4°F to +77°F	-20°C to +25°C / -4°F to +77°F	N/A
Charging	0°C to +40°C / 32°F to +104°F	0°C to +40°C / 32°F to +104°F	N/A
Battery Life	Refer to "Battery Life of Sensor Packs" on page 11		N/A
Regulatory	<ol style="list-style-type: none"> 1. Meets the testing requirements as per the UN Manual of Tests and Criteria, part III subsection 38.3² 2. All batteries have short circuit protection 3. Batteries are manufactured under a quality management program in accordance with DGR 3.9.2.6 and IMDG 2.9.4.5³ 4. Lithium Ion batteries have watt-hour rating of less than 100 Wh 5. Batteries have watt-hour rating shown on the outside of the sensor pack casing 		

General

For use on aircraft	No	Yes	Contact Sendum
Power Adapter	100V - 240V 5W AC Charger (North America Connector)	100V - 240V 5W AC Charger (North America Connector)	N/A
Power Input	N/A	N/A	3V to 5.3V
Data Cable	Standard USB to Mini USB	Standard USB to Mini USB	Standard USB to Micro USB
Power Input via USB	Yes	Yes	N/A
I/O	N/A	N/A	A. Input - one digital input B. Output - one regulated output
Connectors			

Footnotes

1. Sendum sources batteries from world leading battery manufactures. Specifications are as provided by battery manufacturer.
- 2., 3. Per Lithium Ion battery manufacturer; excluded from Sendum warranty.

Battery Life of Sensor Packs

Always on - 21 day battery life is based on:

- > The device is in average-to-good cellular coverage
- > The device is on 24 hours a day
- > Sensors (temperature, humidity, etc.) are polled internally every 30 seconds
- > Location and status messages are transmitted every 2 hours
- > The device is operated in non-freezing temperature conditions

Each device can be set to operate in "Deep Sleep Mode" which allows for much longer battery life

Sendum. Keeping your goods safe and you in control.

For more information on the Sendum PT300 Series of Trackers, please visit www.sendum.com/pt300

Sendum Wireless Corporation, 4500 Beedie Street, Burnaby, BC V5J 5L2 www.sendum.com

BR-PT300-02 March 2016 © Sendum Wireless Corporation. All rights reserved. Sendum is a trademark of Sendum Wireless Corporation. Note: Specifications are subject to change without notice. Some features may only be available in specific firmware or hardware releases.

