BT200 SPECIFICATIONS

	Options			
	BT200	**-add ELT**	**-add AIS Rx**	**-add AIS Rx/Tx**	**Uncertainty**

406 MHz Measurements	BT200	-add ELT	-add AIS Rx	-add AIS Rx/Tx	Uncertainty
Measure all Cospas-Sarsat Channels	●				-
15 HEX ID	●				-
Full HEX	●				-
Decode Message – EPIRB & PLB	●				-
Decode Message – ELT		●			-
Frequency 　Leaving factory 　Long Term	●				± 100 Hz ± 1.5 ppm/yr
Power output	●				± 0.25 dB
Power rise time	●				± 0.5 ms
Pre-burst level	●				± 0.5 dB
Pulse Repetition period	●				± 0.1 ms
Bit rate	●				± 0.2 bps
CW preamble time	●				± 0.8 ms
Total transmission time	●				± 0.8 ms
Rise time	●				± 10 µs
Fall time	●				± 10 µs
Phase deviation: positive	●				± 0.04 rad
Phase deviation: negative	●				± 0.04 rad
Modulation phase symmetry	●				± 0.005

121.5 MHz Measurements	BT200	-add ELT	-add AIS Rx	-add AIS Rx/Tx	Uncertainty
Frequency 　Leaving factory 　Long Term	●				± 100 Hz ± 1.5 ppm/yr
Peak Power	●				± 1 dB
Sweep Direction	●				-
Audio Frequency - upper	●				± 30 Hz
Audio Frequency - lower	●				± 30 Hz
Audio Sweep Range	●				± 60 Hz
Modulation Index	●				± 5%
Sweep Rep Rate	●				± 0.1 Hz
Duty Cycle	●				± 2%

243 MHz Measurements	BT200	-add ELT	-add AIS Rx	-add AIS Rx/Tx	Uncertainty
Frequency 　Leaving factory 　Long Term		●			± 100 Hz ± 1.5 ppm/yr
Peak Power		●			± 1 dB
Sweep Direction		●			
Audio Frequency - upper		●			± 30 Hz
Audio Frequency - lower		●			± 30 Hz
Sweep Range		●			± 60 Hz
Modulation Index		●			± 5%
Sweep Rep Rate		●			± 0.1 Hz
Duty Cycle		●			± 2%

AIS Measurements	BT200	-add ELT	-add AIS Rx	-add AIS Rx/Tx	Uncertainty
Frequency AIS1 & AIS2 (Ch 87B & 88B) 　Leaving factory 　Long Term			●	●	± 100 Hz ± 1.5 ppm/yr
Output power			●	●	± 0.25dB
Digital Data (Burst Details for bursts 1-8)			●	●	✓
Tx AIS for GMDSS				●	

Graphic Measurements	BT200	-add ELT	-add AIS Rx	-add AIS Rx/Tx	Uncertainty
-406 spectrum mask graphics data	●				✓
-406 output power during burst graphic data	●				✓
-406 phase modulation graphics data	●				✓

What's included …

BT200 Rugged Handheld Device
RF Input Cable
USB Interface Cable
Operator's Manual
Certificate of Calibration (with Calibration Data)
AC Adapter
Hard Case

Miscellaneous Parameters

RF Range		
406 MHz		>10 m
121.5 MHz/243 MHz		>3 m
AIS		>3 m
RF Input VSWR		1.20:1
Dynamic Range	406 MHz Burst	0 dBm to +43 dBm
	121.5 MHz/243 MHz	-5 dBm to +35 dBm
	AIS	0 dBm to +43 dBm
Maximum Input Power (Burst)		+43 dBm
Maximum Input Power (Continuous)		+33 dBm
Operating Temperature Range		+5°C to +50°C
Storage Temperature Range		-20°C to +60°C
Ingress Rating		IP68
Internal Temperature Sensor Accuracy		± 2°C
RF Input Cable Termination		BNC-female
Dimensions		
BT200:　w x l x h　mm (inches)		135 (5.31) x 70 (2.76) x 2.0 (0.79)
Hard Case:　w x l x h　mm (inches)		324 (12.75) x 273 (10.75) x 114 (4.50)

Ordering …

Start with the base configuration …

BT200 – the basic version will decode all 406 EPIRBs and PLBs, and measure all 406 MHz and 121.5 MHz signal parameters.

Then choose your options …

add ELT:
Adds the additional capability to decode all ELTs and measure the 243 MHz channel.

add AIS: AIS (Rx) OR AIS (Rx & Tx)
Adds the additional capability to decode and measure the AIS channel in AIS-EPIRBs (Rx only) or GMDSS (Rx & Tx)

add LimitTester:
Adds the LimitTester function to see at a glance if the beacon has passed or failed.

Developed and manufactured in Canada by:

WS Technologies Inc.

WS Technologies Inc.'s lines of advanced Beacon Testers are the de facto Beacon Testers worldwide. These testers were developed in Canada by engineers that have extensive experience in the development and manufacturing of 406 ELTs, EPIRBs and PLBs. Not only does WST offer the most advanced and comprehensive testers available, we offer unprecedented support for beacon testing issues.

Distributed by:

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