

BT200 SPECIFICATIONS

	BT200	-add ELT	
406 MHz Measurements			Uncertainty
Measure all Cospas-Sarsat Channels	•		-
15 HEX ID	•		-
Full HEX	•		-
Decode Message – EPIRB & PLB	•		-
Decode Message – ELT		•	-
Frequency			
Leaving factory			± 100 Hz
Long Term	•		± 1.5 ppm/yr
Leaving factory – High Stability			± 50 Hz
Long Term – High Stability			± 1.0 ppm/yr
Power output	•		± 0.25 dB*
Power rise time	•		± 0.5 ms
Pre-burst level	•		± 1 dB
Pulse Repetition period	•		± 10 ms
Bit rate	•		± 0.2 bps
CW preamble time	•		± 0.5 ms
Total transmission time	•		± 0.5 ms
Rise time	•		± 20 µs
Fall time	•		± 20 µs
Phase deviation: positive	•		± 0.04 rad
Phase deviation: negative	•		± 0.04 rad
Modulation phase symmetry	•		± 0.005
121.5 MHz Measurements			
Frequency			
Leaving factory			± 100 Hz
Long Term	•		± 1.5 ppm/yr
Leaving factory – High Stability			± 60 Hz
Long Term – High Stability			± 1.0 ppm/yr
Peak Power	•		± 1 dB
Sweep Direction	•		-
Audio Frequency – upper and lower	•		± 30 Hz
Audio Sweep Range	•		± 60 Hz
Modulation Index	•		± 5%
Sweep Rep Rate	•		± 0.1 Hz
Duty Cycle	•		± 2%
243 MHz Measurements			
Frequency			
Leaving factory			± 100 Hz
Long Term	•		± 1.5 ppm/yr
Leaving factory – High Stability			± 60 Hz
Long Term – High Stability			± 1.0 ppm/yr
Peak Power		•	± 1 dB
Sweep Direction		•	-
Audio Frequency – upper and lower		•	± 30 Hz
Sweep Range		•	± 60 Hz
Modulation Index		•	± 5%
Sweep Rep Rate		•	± 0.1 Hz
Duty Cycle		•	± 2%
*between 35-39 dBm			
Graphic Measurements			
-406 spectrum mask graphics data	•		-
-406 output power during burst graphic data	•		-
-406 phase modulation graphics data	•		-

Miscellaneous Parameters

RF Range		
406 MHz		>10 m
121.5 MHz/243 MHz		>1 m
RF Input VSWR		1.20:1
Dynamic Range (Antenna equivalent and Direct)	406 MHz Burst	-20 dBm to +40 dBm
	121.5 MHz/243 MHz	-5 dBm to +35 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
RF Input Cable Termination		BNC-female
Dimensions and Weight		
BT200: w x l x h mm (inches)		135 (5.31) x 70 (2.76) x 2.0 (0.79)
Weight		222 g (0.49 lbs)
Hard Case: w x l x h mm (inches)		363 (14.29) x 284 (11.18) x 124 (4.88)
Weight		1.90 kg (4.2 lbs)

What's included ...

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