Automatically receives, decodes, logs, and maps all Cospas Sarsat 406 MHz beacon transmissions from a wide surrounding area.

Features:
- real-time 406 beacon monitoring
- receives all past, present, and future Cospas-Sarsat channels
- -125 dBm receiver sensitivity!
- adjustable receiver sensitivity level
- measures and displays RSSI (receiver signal strength)
- measures and displays frequency
- data logging - organizes and timestamps the data
- XML formatted data – very useful for database applications
- live beacon activation notification via LED and/or audio alerts
- send alerts via e-mail and/or SMS text messaging
- alarm relay contacts allow use of external lights, buzzers etc.
- DC power and PC interface via USB
- Ethernet connectivity (FBM200B) allows for remote management and remote diagnostics, and ability to network numerous units for broader coverage
- decodes GNSS location and displays distance to beacon (FBM200B)
- optional outdoor antenna
- very compact unit (4.3” x 2.5” x 1”)
- aluminum construction – very rugged
- sits on desk or mounts on wall

Two models to choose from:
- FBM200-A basic model
- FBM200-B adds Ethernet interface/GPS receive capabilities and mapping

Applications include port monitoring, airfield monitoring, park monitoring, beacon facility monitoring, remote confirmation that a beacon is transmitting adequate strength (during self-test mode).
FEATURES
Receive all Cospas-Sarsat Frequency channels
Decode all Cospas-Sarsat Protocols
Measure 406 MHz Frequency
Measure 406 MHz Receive Power
Adjustable Receiver Sensitivity
USB Interface
Ethernet Interface
GPS Receiver
GPS Antenna
GIS Mapping
Audio and LED Alarms
Alarm Output – relay contacts

INCLUDED
USB Cable – (3 m length)
AC to USB Adapter
Ethernet cable (3 m length)
Molded 406 MHz Monopole Antenna
Outdoor 406 MHz Antenna
GPS Active Antenna (5 m cable length)
Certificate of Calibration
Operator’s Manual
User Interface Software

SPECIFICATIONS
406 MHz Receiver Sensitivity
-125 dBm
Out of Band Rejection (<400 MHz, >413 MHz)
>145 dB
Harmonic Image Rejection
>95 dB
406 MHz Input Frequency
406.0 - 406.1 MHz
406 MHz RF Input VSWR
1.20:1
406 MHz Input Impedance
50Ω
406 Input Connector
SMA-female RP
GPS Antenna Port bias
+3.3V @ 40 mA max
GPS Antenna Port connector
SMA-female
Receiver power requirements (from USB port)
+5V @ 500 mA
Operating Temperature Range
-40°C to +85°C
Storage Temperature Range
-55°C to +85°C
Dimensions:
168 x 63 x 26 mm
4.3 x 2.5 x 1.0 inches
Weight:
0.230 kg
0.5 lbs

ORDERING INFORMATION

ITEM
FBM200A
FBM200B
Outdoor Antenna – optional (includes mounting hardware)
Extension Cable (for use with outdoor antenna)
Certificate of Calibration (optional)

PART NUMBER
910-FBM200A
910-FBM200B
420-100
130-022-A
130-022-B
130-022-C
130-022-D
FBM200-CAL

WS Technologies Inc. is an ISO 9001 Certified company

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