

EPIRB Test Set ARG5410 MKII



Check the correct operation of EPIRB, ELT and PLB distress beacons COSPAS/SARSAT.

The ARG5410 MKII EPIRB Test Set provides accurate, independent checks of the correct operation of COSPAS/SARSAT distress beacons, such as EPIRB, ELT and PLB's.

It can be connected directly through a suitable attenuator, or will receive the radiated signal using its own antenna. Radiated tests should be carried out using the beacons own self-test mode, if provided, or a screened room or enclosure.

The unit comes complete with user friendly software, designed to guide the operator through the test procedures, with received signals decoded into plain English.

Messages are time-tagged and stored, and can be viewed on the internal LCD display. Alternatively, by using the serial data output, data can be downloaded to a printer or PC.

- Receives and decodes all types of COSPAS and SARSAT beacon signals
- Audible indication of 121.5MHz operation
- Radiated signal or 50 ohms direct input options
- Serial data output to printer or PC. Independent check of serial numbers and call sign
- Measures 406MHz carrier frequency
- Easily updateable software/database of country codes
- 'Long message' and location protocols included
- Indication of 121 and 406 MHz power measurement
- Large backlit LCD screen
- Re-chargeable battery and mains charger
- Integral serial output
- Splash proof carrying case



ARG5410 MKII meets and exceeds the following IMO requirements for test equipment required for annual testing and Shore Based Maintenance of EPIRB's.

- SOLAS Chapter IV, paragraph 15.9
- MSC Circular 1039
- MSC Circular 1040
- New version of industry standard tester
- Works with all beacons – radiated or 50ohm connection
- Fully decodes all message protocols
- Measures power and frequency at 406MHz
- Measures power and gives audible indication of 121.5MHz homing signal
- Stores and time tags 20 messages
- Integral rechargeable battery
- Integral serial output to PC or printer
- Flash programmable memory allows easy user upgrades
- Optional PC software creates message database and prints test certificates for IMO annual maintenance and Shore Based Maintenance (MSC Circ. 1039/1040)

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Typical Message
**** ARG5410 BEACON TESTER ****
***** 11:51:27 28 May 2004 *****

MESSAGE No.2
RECEIVED AT: 18:02:09 17 May 2007
FRAMING/STATUS: NORMAL OK
FREQUENCY: 406.0278 MHz PASS
COUNTRY: 366 USA
30 HEX ID: 96EF6CAF893B7A0
          2C39BB70908014B
15 HEX ID: 2DDED95F1276F40
PROTOCOL: NAT LOC
BEACON TYPE: TEST +Int GPS
IDENTITY: Ser # 111294
HOMING: 121.5MHz OTHER
INFO:
406MHz Power 102
121.5MHz Power 48

Long Mesg OK
Pos 36 57 44 N 122 0 8 W
*****
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RF Input level	+10dBm max
Sensitivity	-13dBm typ (use 30dB or 40dB attenuator for direct connection)
Displayed frequency	+500Hz (max) +200Hz (typ)
Resolution	100Hz
Antenna sensitivity	100mV/m (nom)
Battery type	Internal rechargeable
Recharging	Mains charger: 9v/1/5A (supplied as standard with UK, Euro & US Plug)
Weight	544 grams
Dimensions	195 x 87 x 52 mm
Antenna	148mm