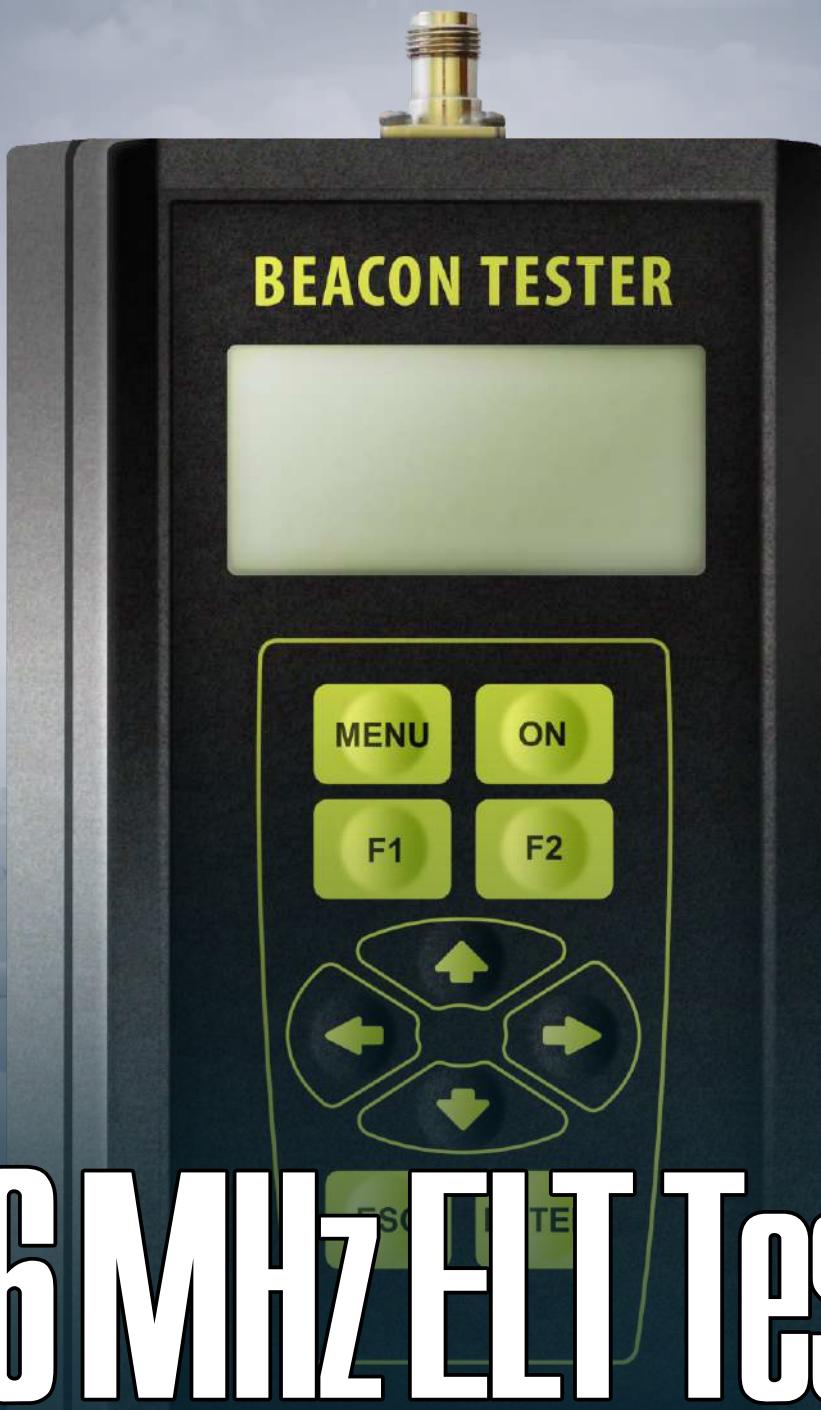


AVIONICS TEST EQUIPMENT



406 MHz ELT Tester

406 MHz / 243 MHz / 121.5 MHz ELT TESTER is designed to check the avionics emergency locator transmitters (ELT) operating via COSPAS-SARSAT system.

ELT Test Set provides accurate, independent testing in volume of annual test requirements or in volume of maintenance requirements or for fast check after ELT's encoding or installation, in accordance with USA (FAA Part 91.207), Canada (CAR 571 Appendix G), Europe (CAA/EuroCAE) requirements.



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AVIONICS TEST EQUIPMENT

The 406MHz ELT Tester allows to perform:

- reception, demodulation and decoding of the emergency information transmitted on channel 406 MHz;
- position data encoding(if available) in degrees, minutes, seconds;
- frequency measurement of 406 MHz signal with accuracy ± 500 Hz;
- frequency measurement of 121,5 MHz signal with accuracy ± 300 Hz;
- frequency measurement of 243 MHz signal with accuracy ± 300 Hz;
- level measurement on 406 MHz channel in range 19...43 dBm with accuracy ± 0.5 dB (-34...-10 dBm ± 2 dB by means of antenna);
- level measurement on 121.5 MHz channel in range 13...20 dBm with accuracy ± 0.5 dB (-40...-34 dBm ± 2 dB by means of antenna);
- level measurement on 243 MHz channel in range 13...20 dBm with accuracy ± 0.5 dB (-40...-34 dBm ± 2 dB by means of antenna);
- estimation of the positive/negative phase deviation of modulated signal with accuracy to $\pm 2,8^\circ$;
- measurement of total transmission time of 406 MHz signal with accuracy $\pm 0,2\%$;
- measurement of unmodulated carrier duration of 406 MHz signal with accuracy $\pm 0,2\%$;
- estimation of the equivalent radiated power of 406 MHz signal through broadcast

Since it is crucial for the beacon ID to be registered with the national authorities, the 406 MHz ELT Tester provides an easy mean to verify the ID after installation or reprogramming.

ELT Test Set can receive messages from any 406 MHz COSPAS-SARSAT beacons transmitting either in test mode or in real alert emergency mode.

The tester provides demodulation and decoding of the emergency information and displays on your choice the HEX-code (15 Hex ID or the message 1-112 bit) as well as all decoded information in text view with all measured parameters. Tester displays position data (if available) in degrees, minutes, seconds.

ELT Test set is represented on US market under Icarus Instruments Inc trademark and ELTT-124 name.

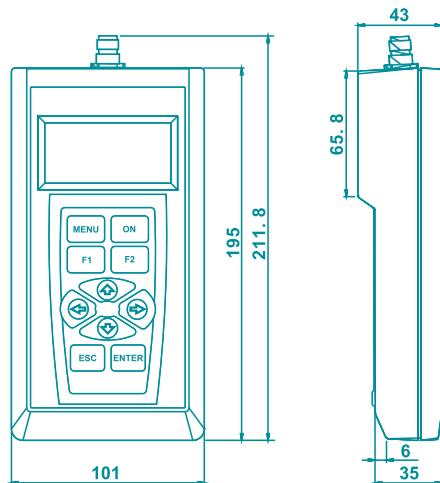
Features of 406MHz ELT Tester

- All 406 MHz aircraft protocols will be decoded
- Meets FAA, CAR and EuroCAE ELT inspections requirements
- Internal database of received messages with possibility to save up to 10 results
- Easy connection to PC, laptop, notebook to process the stored data
- Windows user-friendly desktop application for database storage and review, process and test reports preparation
- External RF attenuator in standard delivery set

Complete set of the 406MHz COSPAS-SARSAT ELT Tester (Test Set)

- ELT Tester
- Antenna
- PC cable (USB A – USB A 1.5 m)
- HF – attenuator
- HF cable TNC/TNC 0.5 m RG58
- HF cable BNC/TNC 1 m RG58
- 4 AA batteries
- Technical description and operation manual (English)
- Device packing
- Software and software user manual (available at our website)

Dimensions (mm)



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