

# AVIONICS TEST EQUIPMENT



## ELT Tester Mini w/Wi-Fi

ELT Tester Mini w/ Wi-Fi is third generation device designed to check the avionics emergency locator transmitters (ELT) operating via COSPAS-SARSAT system. Tester is operating with any mobile phone or desktop PC by means of Wi-Fi connection. It is small and light-weight.

ELT Tester Mini (ELTT-124M) provides 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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**ELT Tester Mini can receive messages from any 406 MHz COSPAS-SARSAT beacons transmitting either in test mode or in real alert emergency mode.**

The signal can be received through the broadcast by means of antenna or the tester can be connected directly by means of cable through a suitable attenuator included in standard delivery set.

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.

## The ELT Tester Mini allows to perform:

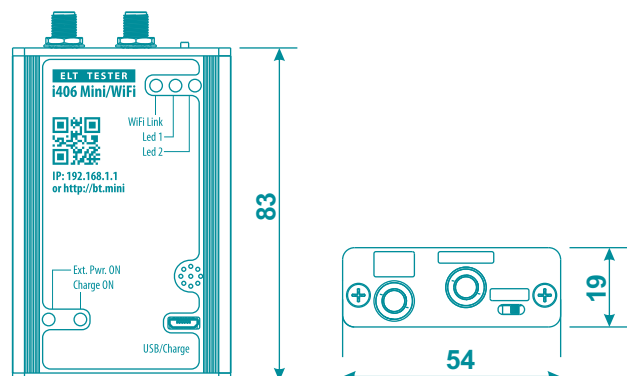
- reception, demodulation and decoding of the emergency information transmitted on channel 406 Mhz;
- position data encoding(if available) in degrees, minutes, seconds;
- frequency measurement of 406 MHz signal with accuracy  $\pm 500$  Hz;
- frequency measurement of 121,5 MHz signal with accuracy  $\pm 300$  Hz;
- frequency measurement of 243 MHz signal with accuracy  $\pm 300$  Hz;
- level measurement on 406 MHz channel in range 19...43 dBm with accuracy  $\pm 0.5$  dB (-34...-10 dBm  $\pm 2$  dB by means of antenna);
- level measurement on 121.5 MHz channel in range 13...20 dBm with accuracy  $\pm 0.5$  dB (-40...-34 dBm  $\pm 2$  dB by means of antenna);

- level measurement on 243 MHz channel in range 13...20 dBm with accuracy  $\pm 0.5$  dB (-40...-34 dBm  $\pm 2$  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.

## Complete set of the ELT Tester Mini

- ELT Tester Mini
- Antenna 406/121/243 MHz
- Antenna Wi-Fi
- HF – attenuator
- HF cables and connectors
- Technical description and operation manual (English)
- Device packing
- USB Power adapter
- Power cable (USB A – micro USB 1.5 m)

## Dimensions (mm)



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