



406 MHz GPS EMERGENCY LOCATOR TRANSMITTER

ELT 3000™

The ARTEX ELT 3000 is a transport-grade Emergency Locator Transmitter (ELT) that is truly integrated. The compact form factor is coupled with the integrated NAV interface (ARINC 429 or RS 232) which omits the requirement and expense of installing a separate NAV interface unit and provides significant reductions in weight and cost.



An ACR Electronics Brand



ELT 3000

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How the ARTEX ELT 3000 works

The ARTEX ELT 3000 can be activated manually (via cockpit remote switch) or automatically (the G-Switch senses a 2.3G or greater impact), and alerts the closest Search and Rescue agency of an emergency. The 406 MHz signal, containing the aircraft GPS coordinates, is transmitted to the Cospas-Sarsat satellites and relayed to the Mission Control Center where it is immediately routed to the nearest Search and Rescue agency. The beacon will provide first responders with the exact location to within 100 meters. Finally, the 121.5/243 MHz homing signals assist Search and Rescue ground forces with finding the location of the emergency.

Ease of Installation

The ARTEX ELT 3000 provides a quick-and-easy retrofit opportunity with flexible installation options such as a two or five-wire remote switch that does not require any aircraft power. Because it is a single output ELT, the ELT 3000 utilizes the same RF output and only one coax cable to transmit both 406 MHz and 121.5/243 MHz signals. The built-in navigation interface reduces the need to mount a secondary external interface, greatly reducing the cost of installation. There are two mounting trays available. One allows for the smallest footprint possible while the other matches legacy ARTEX B and C Series ELT installations, providing further reduction of engineering costs.



406 MHz
Distress
Signal



Global
Coverage



GPS
Enabled via
ARINC 429
or RS 232



Local Search
& Rescue



Small Size
and
Light Weight



Easy
Installation



SPECIFICATIONS

Product Number: 8202

Operating Frequencies

406.040 MHz +/- 1 kHz (16K0G1D)
Depending on Cospas-Sarsat TAC
121.5 & 243 MHz +/- 5 kHz
(3K20A3X)

Output Power

406 MHz: 5 W +/- 2dB (520 ms/ 50
sec) for 24 hours @ -20°C (-4°F)
121.5/243.0 MHz: 100 mW min (+20
dBm) for 50 hours @ -20°C (-4°F)

Output Connector

406/243/121.5 MHz (BNC Female)

Activation Method

Automatic by 4.5 ft/sec (2.3 G)
Primary G-Switch and Manual
Activation

Battery

6-year Lithium LiMnO₂

Remote Control Functions

On/Arm/Test (2 wire and 5 wire
connectivity)

Weights (with tray)

Total Weight: 2.0 lbs (907.2 g)

Temperature Certified to:

Operating: -20°C to +55°C (-4°F - 131°F)
Storage: -55°C to +85°C (-67°F - 185°F)

Self-Test Checks

- G-Switch Enabled
- 406 MHz Power
- Antenna/Coax Connection
- Low Battery
- GNSS
- NAV System

Measurements

5.5 (L) x 3.8 (H) x 3.4 (W) inches
(13.97 x 9.65 x 8.63 cm)

Other Parts

- Coax Cable (P/N: 611-6013-04)
- Audio Buzzer (alerts ground crews of
inadvertent activations) (P/N: 452-
6505)
- 2-Wire Remote Switch (P/N: 8304)
- 5-Wire Remote Switch (345-6196-04)
- Rod Antenna (110-338)
- Blade Antenna (110-340)
- Blade Antenna (110-341)
- Whip Antenna (110-343)

GPS Navigational Interface

ARINC 429 (High Speed/ Low Speed)
RS 232

Input Power

9 to 32V@ 25mA max.

Additional Models

- ELT 3000 HM: Helicopter version with 5-axis G-Switch available
- ELT 3000S Survival (pending approval)

Additional Features

- Compatible with ARTEX 406Test.com Satellite Confirmation
Testing System
- Tri-band antenna with single connector and cable to transmitter
- Many cockpit remote switch options available

Certifications

- TSO C126B
- TSO C142A
- Industry Canada
- EASA
- Cospas-Sarsat

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