ARTEX

EMERGENCY LOCATOR TRANSMITTER

ELT 4000™

The regulatory environment for Lithium Batteries has changed. ACR is providing innovative battery system designs assuring a trouble free certification path. ARTEX ELT 4000 is completely exempt from any FAA Lithium Battery compliance issues and ships non-hazmat. The lithium battery alternative ELT is here now and affordable.

Lithium SPECIAL CONDITIONS EXEMPT

- Not capable of Thermal Runaway
- No Additional Containment required
- Easy Certification Path
  - Special conditions do not apply
- Lower Battery Cost
- No Hazmat Shipping

An ACR Electronics Brand

ARTEX ELT 4000
EMERGENCY LOCATOR TRANSMITTER

The all new ARTEX ELT 4000 is a transport-grade Emergency Locator Transmitter (ELT) that utilizes alkaline batteries. This innovative power source means that the ARTEX ELT 4000 is completely exempt from FAA special condition requirements. ARTEX ELT 4000 cost of ownership benefits include a lower battery expense per cycle, no hazmat shipping and easy disposal. An integrated NAV interface (ARINC429) omits the requirement and expense of installing a separate NAV interface unit.

How the ARTEX ELT 4000 works
The ARTEX ELT 4000 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 MHz homing signal assists Search and Rescue ground forces with finding the location of the emergency.

Ease of Installation and retrofit
The ARTEX ELT 4000 provides a quick-and-easy retrofit opportunity with flexible installation options such as a two-wire remote switch that does not require any aircraft power. ELT 4000 is TSO approved with Legacy Switch and Antenna Systems to facilitate retrofit. Because it is a single output ELT, the ARTEX ELT 4000 utilizes the same RF output and only one coax cable to transmit both 406 MHz and 121.5 MHz signals. The built-in navigation interface reduces the need to mount a secondary external interface, greatly reducing the cost of installation. The mounting tray assembly matches the legacy ARTEX C and B Series ELT installation and thereby further reduces engineering costs.

Features:

- Automatic Fixed Emergency Locator Transmitter
- Dual Frequency distress beacon, digital 406 MHz and analog 121.5 MHz homing signal
- Auto activation via internal G-switch
- Dual-band antenna with single connector and cable to transmitter - Blade and Rod** Available
- Compatable with legacy antennas
- Easy maintenance and installation
- Many cockpit remote switch options available
- Can be connected to onboard GPS via Integrated ARINC429 interface
- GPS data is embedded in digital transmission reducing search radius down to 100 meters

- 5-year battery life (replaceable). Ships non-hazmat
- ARTEX ELT 4000 HM Helicopter version with 5-axis G-Switch available
- Compatible with ARTEX 406Test.com Satellite Confirmation Testing System
- Cospas-Sarsat Type Approved

100m Accuracy   **5-Year Battery Life**   **Helicopter Version Available**   **Easy Installation and Maintenance**

SPECIFICATIONS

Product Number: 8260

Operating Frequencies
406.031 MHz +/- 1kHz (16K0G1D)
121.5 MHz +/- 0.005% (3K20A3X)

Activation Method
Automatic by 4.5 +/- 0/5 ft/sec
(2.3 G) Primary G-Switch

Manual Activation by unit or remote switch

Peak Effective Radiated Power (EIRP)
406 MHz - EIRP 5W (37dBm) for 24 hrs @ -20°C to +55°C

121.5 MHz - EIRP min 100mW (min 20dBm) for 50 hrs @ -20°C to +55°C

Weight (with tray)
Total Weight: 5.45 lbs (2.47 kg)

Measurements
11.63" (L) x 3.42 (W) x 4.15 (H) inches (29.5 x 9.9 x 10.5 cm)

Battery
5-year Alkaline
Voltage: 12.0
Amp-Hour Rating: 10.0

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

Certifications
- TSO C126b
- EASA via bilateral
- Industry Canada, ANATEL, and CAA pending

*Specifications subject to change. **Approvals for use of this antenna with ELT 4000 pending.