ARTEX

EMERGENCY LOCATOR TRANSMITTER
ELT 4000M™

The regulatory environment for Lithium Batteries has changed. ACR is providing innovative battery system designs assuring a trouble-free certification path. ARTEX ELT 4000M is completely exempt from any FAA Lithium Battery compliance issues and ships non-hazmat. The lithium battery 3 frequency 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

ON

OFF/ARM

TEST

ARTEX

ELT 4000M

An ACR Electronics Brand **ACR**

ARTEX ELT 4000M

EMERGENCY LOCATOR TRANSMITTER

The all new ARTEX ELT 4000M adds the 243 MHz frequency to the highly successful ELT 4000 model, which is a transport-grade Emergency Locator Transmitter (ELT) that utilizes alkaline batteries. This innovative power source means that the ELT 4000M is completely exempt from FAA special condition requirements. The ARTEX ELT 4000M 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 4000M works

The ARTEX ELT 4000M 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 (MCC) where it is immediately routed to the nearest Search and Rescue

(SAR) agency. The beacon will provide first responders with the exact location to within 100 meters. Finally, the 243 and 121.5 MHz homing signals assist Search and Rescue agencies to locate the source of the emergency.

Ease of Installation and retrofit

The ARTEX ELT 4000M 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. The ARTEX ELT 4000M is TSO approved with Legacy Switch and Antenna Systems to facilitate retrofit. Because it is a single output ELT, the ARTEX ELT 4000M utilizes the same RF output and only one coax cable to transmit both the digital 406 MHz signal and the analog 243 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
- Three-Frequency distress beacon, digital 406 MHz and analog 243 and 121.5 MHz homing signals
- Auto activation via internal G-switch
- ARTEX ELT 4000M HM Helicopter version with 5-axis G-Switch available
- Single antenna connector and cable to transmitter – Blade, Rod, and Whip antennas available
- Compatible with legacy antennas
- Easy maintenance and installation
- Many cockpit remote switch options available
- Can be connected to on-board GPS via Integrated ARINC429 interface

- If optional GPS data is embedded in the digital transmission the search radius is reduced down to 100m
- 5-year battery life (replaceable). Ships non-hazmat.
- Compatible with ARTEX 406Test.com Satellite Confirmation Testing System
- FAA, CAAC, ANATEL, Industry Canada, EASA, and Cospas-Sarsat approvals pending

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

SPECIFICATIONS

Product Number: A3-06-3260 / A3-06-3260-1

Operating Frequencies
406.031 MHz (+/- 1kHz)
121.5/243 MHz (+/- 0.005%)

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: 5W (37 dBm) for 24 hours
@-20°C (-4°F) to +55°C (131°F)
121.5/243 MHz: 100 mW (min 20 dBm)
for 50 hours @ -20°C (-4°F) to +55°C
(131°F)

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 (Pending)
- FAA
- EASA Via Bilateral Approved
- CAAC
- ANATEL
- Industry Canada