



orolia

Integra ELT

Emergency Locator Transmitter

The Most Innovative and Trusted ELT in the Aviation Industry

Innovative, Resilient Design

Traditional ELTs rely on an aircraft's external antenna and GPS equipment to transmit. However they are both subject to failure in the event of an impact when the antenna is destroyed and/or the cable between the ELT and antenna is broken.

Back-Up Antenna

The Kannad Integra ELT offers the highest level of resiliency through an innovative backup antenna design.

Operating independently of the aircraft, the back-up antenna will transmit your position through the 406MHz frequency to the Cospas-Sarsat search and rescue satellites.



Embedded GPS Receiver

The Kannad Integra's unique Embedded GPS receiver considerably improves the safety of your flight by reducing the location accuracy of your aircraft from 28 square miles to only 0.03 square miles.

Portable Design

The Integra ELT starts transmitting your exact position within minutes even when removed from the aircraft, to become an authentic portable ELT.

Easy Retrofit and Programming via Dongle

Replacing your ACK, Ameri-king or Artex ELTs is simplified when using the universal mounting bracket.

Reliability for the Future

10-Year Warranty

Stay safe and save long-term costs with the Integra ELT's 10-year warranty – the longest warranty in the industry compared to several ELT manufacturers' 2-year warranties.

Part of the World's First End-To-End Search and Rescue Ecosystem

The Kannad Integra ELT is part of the Orolia unique end-to-end Search and Rescue Ecosystem which includes distress beacons, satellite connectivity, mission control/rescue coordination center systems and rescue radios.

Orolia solutions have been at the core of the Cospas-Sarsat satellite-based search and rescue systems since its inception in 1982 and has helped to save over 40,000 lives since then.



Shaping the Industry

Orolia is actively involved in the definition, development and implementation of future aviation search and rescue initiatives including the emerging GADSS aviation emergency management system to further improve airline safety and the Helios Project for next-gen distress beacon solutions.

Local Service Network for Programming and Repair

A worldwide network is available to support your needs with 70 distributors, 200 service centers and 20 repair stations.

Proven Aviation Leadership



60,000 Kannad ELTs are in use today



170 Leading commercial airlines rely on Kannad ELTs for their aviation safety needs



30 Aircraft OEMs (Commercial airplanes, helicopters, business jets, general aviation planes) worldwide trust Orolia as the world's leading ELT manufacturer



Technical Specifications

- Two-frequency ELT (121.5 / 406.037 MHz)
- COSPAS –SARSAT Class 2 (-20°C to +55°C) or Class 1 (-40°C to +55°C) ER type
- Battery replacement every 6 years (from date of manufacture)
- Material: Molded plastic
- Mounting bracket dimensions: 175 x 99 x 88.4mm (6.89 x 3.90 x 3.40 in.)
- Weight including batteries: Typical 850g (1.873lb)

The Orolia End-to-End Search and Rescue Ecosystem



Step 1: Distress Signal Activation from an Integra ELT

Activated either manually by means of a Remote Control Panel from the cockpit or directly from a switch on the ELT's front panel, the Kannad Integra ELT will also activate automatically in an event of a crash thanks to its unique G-switch (shock detector).

Step 2: Search & Rescue Satellites

The Kannad Integra ELT's identification and GPS coordinates are transmitted by 406MHz frequency via satellite to ground stations (or Local User Terminals).

Step 3: Ground Station Relay

The Local User Terminal computes the location before sending alerts to the appropriate Mission Control Centers

Step 4: Mission Control Center Notification

The Mission Control Center collects, stores and sorts the data received from Local User Terminal and other Mission Control Centers and distributes alerts to associated Rescue Coordination Centers

Step 5: Rescue Coordination Center Coordination

The Rescue Coordination Center notifies and coordinates emergency response/rescue teams