

# INTEGRA 406 GPS ELT



## COSPAS-SARSAT

The COSPAS-SARSAT network is the only truly global search and rescue system, operating 24/7, anywhere in the world.

The distress signal emitted by your beacon is relayed by the COSPAS-SARSAT LEOSAR satellites to the ground stations (LUT) that calculate its position using Doppler Shift. With a built-in GPS, the GEOSAR satellites receive the signal and position within 5 minutes.

The Mission Control Center (MCC) network processes the information and informs the nearest Rescue Coordination Center (RCC) so that SAR authorities can organize rescue operations.



## In addition to your ELT, why not carry a PLB?

In addition to your automatic built-in system (ELT) we strongly recommend also carrying a PLB (Personal Location Beacon), as you can carry it on your person in a pocket or a belt pouch at all times during flight. You can also take it with you when you're away from the plane, e.g. boating or hiking.

**Please also note: Some countries require an ELT to be fitted to an aircraft by law. Please check with your relevant authority.**

## TECHNICAL SPECIFICATIONS

Automatic Fixed Emergency Locator Transmitter with G-Switch sensor  
• Two-frequency ELT (121.5 / 406.037 MHz) • COSPAS –SARSAT Class 2 (-20°C to +55°C) • RTCA DO-160/EUROCAE ED14 Environmental conditions  
Autonomy: Minimum operational duration at -20°C is 24 hours on 406MHz and over 48 hours on 121.5MHz

### Controls and indicators

ARM/OFF/ON switch • Bright red LED • Internal Buzzer • Outside Buzzer option

### Interfaces

DIN12 socket for remote control panel (RCP) and pin programming option  
BNC antenna connector

### Battery

Replacement Interval every 6 years • Accessories directly powered by ELT battery

### Unique functions

Integrated 406 antenna • GPS built-in (antenna & receiver)

### Housing

Material:	Molded plastic
Colour:	Yellow (Colour compounded)
Dimensions:	Installed with mounting bracket 175 x 99 x 88.4mm (6.89 x 3.90 x 3.40 in.)
Weight including batteries:	Typical 850g (1.873lb) Max 875g (1.929lb)

# KANNAD aviation

[www.kannad.com](http://www.kannad.com)

DEALER

Please note that all information given in this brochure is intended to be useful and informative to customers. The right is reserved to amend this information without prior notice.

ISSUE 1

# Fly Safe

**NEW  
406 ELT  
with Integral GPS  
and Antenna**

## INTEGRA 406 GPS ELT

**Full-function ELT with internal GPS  
and internal antennas.  
Easy install. Portable.**



# KANNAD aviation

# INTEGRA 406 GPS ELT

**SYSTEM KIT FOR PRIVATE AIRCRAFT**  
includes internal 406 antenna

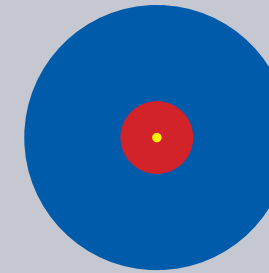
The INTEGRA 406 GPS ELT (Emergency Locator Transmitter) is the newest addition to the Kannad Aviation emergency distress beacon family.

## INTEGRA ELT system kit includes:

- 1 INTEGRA ELT
- 2 Universal Mounting Bracket
- 3 RC200 Remote Control Switch
- 4 DIN-12 ELT Connector and Sub D Connector



## GPS ELTs



- 121.5MHz Homing Signal  
12.5nm radius  
490 sq miles area  
6 hours average to respond
- 406MHz Satellite Signal  
3nm radius  
28 sq miles area  
1-2 hours average to respond
- 406MHz Satellite Signal with GPS co-ordinates  
0.1nm radius  
0.03 sq miles area  
under 30 minutes to respond

## FOUR GOOD REASONS TO BUY THE KANNAD AVIATION INTEGRA

### 1 GPS INSIDE

An ELT with a GPS signal alerts rescue services to your situation. The search area is 0.03 sq miles. Without a GPS the search area is a huge 28 sq miles, and can take a lot longer to compute. It's like the difference between a radio call saying 'Help' and a radio call saying 'Help, my position is ...'. Telling the rescue services *where you are* is a much more efficient way of being rescued.

### 2 ANTENNAS INSIDE

Not only is the GPS (and its antenna) inside, there is also a 406MHz internal antenna.\* Provided the INTEGRA is mounted where it can see the sky, under a canopy or through a composite fuselage, no external antennas are needed at all, though you can fit them if you need to.

\* Please note that the internal antenna only transmits on 406MHz. The Integra ELT can transmit on both 406MHz and 121.5MHz through an externally fitted antenna.



### 3 PORTABLE

After a crash you can remove the INTEGRA from the aircraft and keep it by you, outside the aeroplane. Here it will continue to transmit in portable mode, as it does not rely on an external GPS, antennas or power.

### 4 ECONOMIC INSTALLATION

Capitalising on the benefits of built-in GPS and antennas, INTEGRA costs less to install than systems requiring external antennas or GPS.

## INTEGRA ELT features

- **Integrated internal 406MHz antenna**
- **Unique built in GPS**
  - Compact size
  - Operates at temperatures as low as -20 °C (-40°C version also available), with 24 hour certified transmission on 406MHz (distress) signal and over 48 hours on 121.5MHz (homing) signal
  - No external power supply required
  - Choice of Remote Control Panels with 3-wire and 2-wire installation options
  - Quick and easy retrofit with universal mounting bracket
  - Minor change approval available for most common aircraft
  - 6 year replaceable battery
  - Optional programming dongle, perfect for fleet operators