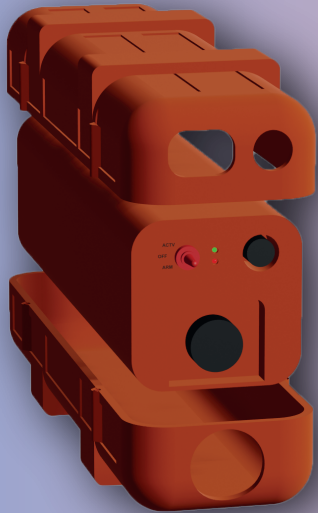


P406-1 EAF *Alpha* Emergency Locator Transmitter



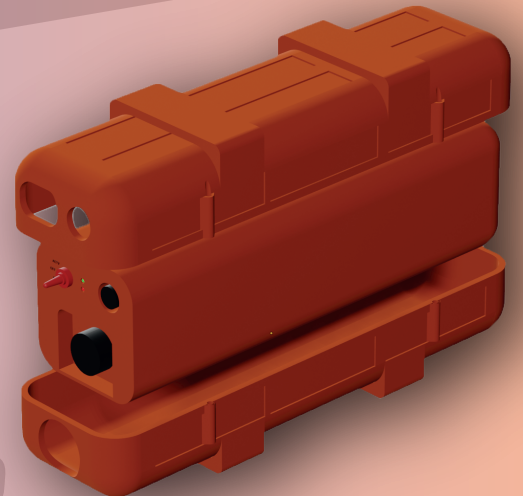
The P406-1 *Alpha* ELT provides lower battery consumption and high accuracy of the location information by innovative engineering design approach. Also embedded ARINC429 interface simplifies the usage of P406-1 *Alpha* for all aircraft systems: No need for installation of separate navigation interface, no need for specific user-modifiable-software update interface

How it works?

P406-1 *Alpha* transmits both 406 MHz and 121.5 MHz homing distress signals through single antenna connector. It can be activated both automatically and manually. ARINC429 interface provides manual activation, test and reset operations on the device by cockpit remote switch as well. P406-1 *Alpha* provides distress signals with navigation info by 150 meter accuracy, so the Rescue and Search Teams are more agile when P406-1 *Alpha* is in the use!

Key Features

- First Generation Automatic Fixed Emergency Locator Transmitter
- Distress signal propagation for both 406 MHz and 121.5 MHz
- Automatic activation by +2.3G or 12.5G at 5-axis
- Manual activation by switch or remote cockpit control panel
- Embedded ARINC429 interface for Navigation data onboard and remote control
- Single antenna: Rod or blade
- Accurate navigation data for Search & Rescue Teams
- Changeable batteries with 5-year life
- Both helicopter and aircraft versions are available
- Effective design engineering approach against ELT false alarm events



Specifications

Operating Frequencies :

406.028 MHz \pm 1 kHz ,
121.5 MHz \pm 5 kHz

Activation:

Automatic (+2.3G or +12.5G at 5-axis for helicopters)
Manual switch
Remote cockpit switch

Interface: ARINC-429

Weight: 2.1 kg

Dimensions: 29.4 x 8.8 x 9.8 cm
(11.57" x 3.46" x 3.85" inches)

Power:

28 VDC external supply option
5-year lithium battery
(TS0142a / RTCA-D0227 certified)

Effective Isotropic Radiated Power (EIRP):

406 MHz @ 37 dBm (5W)
for 24-48 hours, -20 °C to +55 °C

121.5 MHz @ 20 dBm (100 mW) for 50 hours, -20 °C to +55 °C

Storage Temperature: -55 °C to +85 °C

Operation Temperature: -20 °C to +55 °C

Certifications:

TS0-C91a (Pending)
TS0-C126 (Pending)
COSPAS-SARSAT (Pending)

