

Automatic Deployable ELT: Operational In The Most Severe Crash Scenarios

RELIABLE, SOLID AND DEPLOYABLE

Are you looking for an ELT that you can use even in the most challenging mission areas?

We are by your side with our crash-resistant Pharus Emergency Locator Transmitter - Automatic Deployable (ELT-AD) equipment, which is mounted externally to the aircraft and is automatically deployable in water. The Pharus ELT-AD Demre is designed according to the most current standards (ETSO C91a and C126a) to withstand even the most severe crash scenarios.

With our ELT-AD, you can meet the distress call requirements for your aircraft, especially those used in firefighting, search and rescue, and operations in mountainous or glacial terrain. You can control our ELT-AD product via the ARINC communication protocol and easily program it while it is mounted on the aircraft.



Would you like our smart ELT-AD that doesn't false-activate during hard landings or turbulence?

Some existing ELT-ADs on the market can activate directly based on electromechanical G-Switches, which can cause time-consuming and confusing problems for aviation institutions and S&R organizations. With our Smart Crash/Impact Analyzer subsystem, which is automatically engaged by the optional external power supply from the aircraft, we offer an ELT-AD equipment that prevents false activation, even during the most deceptive hard landings and turbulence.

Frequency Channels	406.076MHz - Satellite Distress Signal 121.5 MHz - Homing Signal 243.0 MHz - Optional Homing Signal
Transmission Power	5 W (38 dBm EIRP) - Distress Signal 50 mW (17 dBm EIRP) - Homing Signal
Transmission Duration	48 hours
Gps Receiver?	Yes, multi-constellation receiver with anti-jamming and GPS spoofing detection features
Battery	LMnO ₂ battery configuration
Battery Lifecycle	5 - years
Temperature	Operation: -40 to 55 °C Storage: -55 to 85 °C Class-I Emergency Beacon
Weight	2000g
Dimensions	300x80 mm
Automatic Activation	Flight: >2,3G / 6G acceleration Non-Flight: >12,5G acceleration Water Immersion: Auto activation
Altitude	<55.000 ft
Shock	500g for <8 ms
Vibration	10g for 5 - 2000 Hz
Crashworthiness	100g for <25 ms
Crush	450 kg