

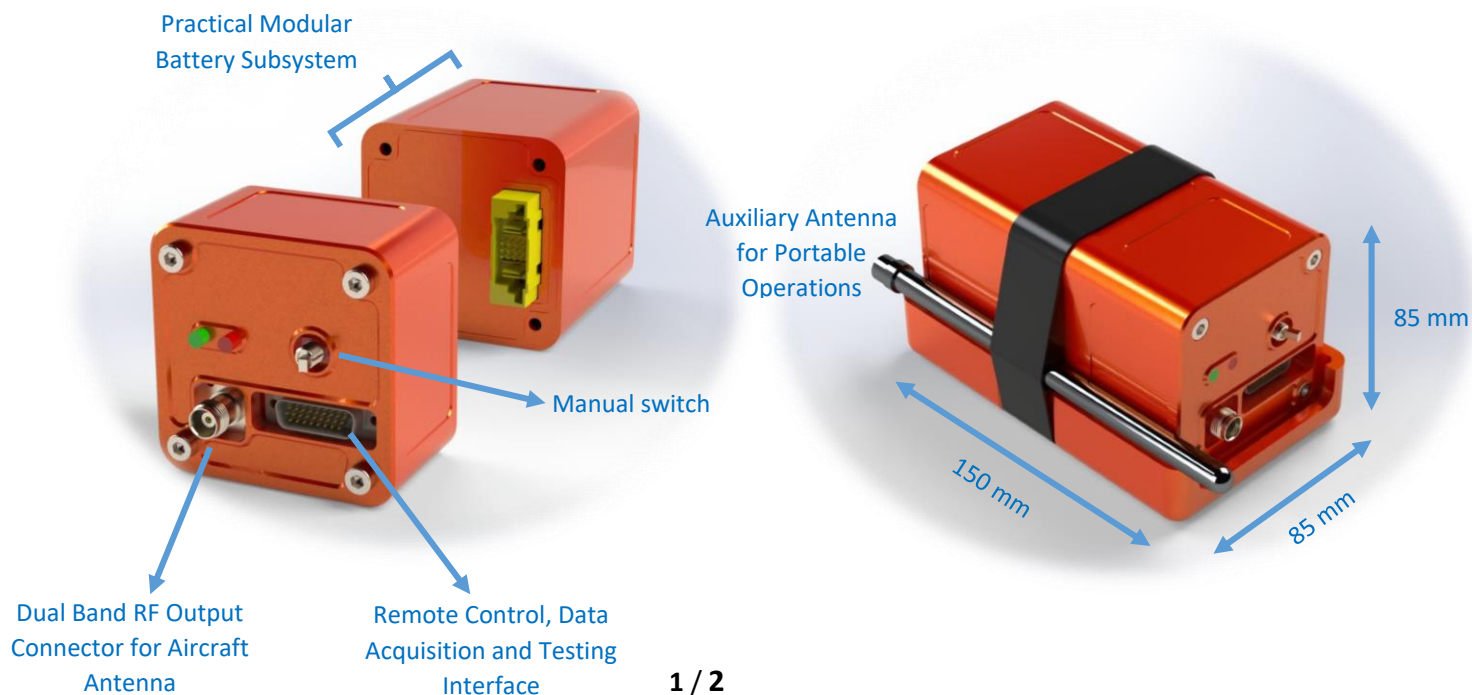
PHARUS

Didyma ELT-AP



Pharus ELT *Didyma* is an Automatic Portable Emergency Beacon fitted with COSPAS – SARSAT Distress and Homing Signal channels. The Beacon is designed at the cutting edge of ETSO and C/S standards.

Whenever and wherever you need emergency aid, Pharus ELT *Didyma* is on your side!



Electrical Specifications

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|---------------------------------------|--|
| Frequency Channels | 406.031 MHz – Distress Signal 121.5 MHz – Homing Signal 243.0 MHz – Homing Signal for Military (<i>Optional</i>) |
| Transmission Power | 5 W (38 dBm EIRP) – Distress Signal 50 mW (17 dBm EIRP) – Homing Signal |
| Transmission Duration | 24 hours – Distress Signal 50 hours – Homing Signal |
| GPS Receiver for Portable Operations? | Yes, multi-constellation receiver with anti-jamming and GPS spoofing detection features |
| Electrical Interface Capabilities | Remote activation and test from cockpit control panel, <i>isAlive</i> testing for prevention of false alarms, real-time data acquisition |
| Automatic Activation? | Automatic Activation by +2.3G in flight direction, Automatic Activation by +12.5G in non-flight direction |
| Battery | LiMnO ₂ battery configuration (<i>TSO-142a certified</i>) |
| Battery Lifecycle | 5-years (<i>Batteries shall be replaced in the case of activation</i>) |
| Temperature | Operation: -20 to 55 °C Storage: -55 to 85 °C <i>Class-II Emergency Beacon</i> |

Mechanical Specifications and Endurance

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|-----------------|--|
| Weight | 850 g (<i>without mounting tray and antenna</i>) 1100 g (<i>with mounting tray and antenna</i>) |
| Dimensions | 15 x 8.5 x 8.5 cm |
| Altitude | 55.000 ft |
| Shock | 500g for <8 ms |
| Vibration | 10g for 5 – 2000 Hz |
| Crashworthiness | 100g for <25 ms |
| Crush | 524 kg |
| Buoyancy? | Yes |

Required Certifications & Approvals

| | |
|---------------|---|
| Cospas-Sarsat | C/S T.001 Type Approval Certificate (<i>Pending</i>) |
| ETSO | TSO-C91A (<i>Pending</i>) TSO-C126 (<i>Pending</i>) ETSO-2C126 (<i>Pending</i>) |

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