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Resilient PNT



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Kannad Ultima-S

Survival Emergency Locator Transmitter

The Kannad Ultima-S is a new generation ELT compliant with the lithium batteries special conditions requirement set by FAA and EASA. It is designed to be installed in the aircraft cabin as well as in life rafts and offers various installation configurations either through a mounting bracket or with a bag.

Key Features

- **Compliant with the EASA / FAA special conditions:**

Kannad Ultima-S combines the latest generation of lithium battery technology and a smart design, which enables the unit to comply with the latest FAA / EASA lithium battery requirements (DO-227A & (E)TSO-142b).

- **Manual & automatic activation upon contact with water:**

The unit can be manually activated by the crew members through the ELT's switch and is also automatically activated immersed in water.

- **User's accurate location:**

The beacon's location is determined through its embedded GNSS receiver, using both GPS and Galileo satellite constellations for faster signal detection and robust position acquisition.



- **Easy integration through various installation options:**

Kannad Ultima-S is available in buoyant version, (category A) for cabin integration, and for life raft applications. Both versions can be mounted firmly either horizontally or vertically on a bracket, and requires little storage room, thanks to their compact design. The mounting bracket is optimized for quick and easy, one hand, extraction. A bag is also available.

- **Return Link Service (RLS):**

Kannad Ultima-S includes a distress acknowledgment capability based on Galileo Return Link Service (RLS), which provides a visual indicator to the user that the distress message has been successfully received on the ground. This capability is subject to country regulations.

Technical Specifications

Product type: Category A; Class 2, Cospas Sarsat ELT(S)

Activation: Manual and water switch (cat A variants).

Signal / message:

- 406 MHz, First Generation Beacon; programmable protocols
- 121.5 MHz homing signal
- 243MHz military homing signal

Location: GPS and Galileo L1 internal receiver.

Distress acknowledgment through Galileo RLS Type 1

Battery type: Lithium, MnO₂

Battery life: 8 years

Dimensions:

- With antenna: 320 mm x 200 mm x 105 mm

Weight: 1.94 kg kg (with bracket)

Mounting: horizontal or vertical with bracket, bag

Programming: PR600 programmer or dongle, via dedicated connector

RFID tag

Cospas Sarsat short self-test and GNSS self-test

Temperature environment:

- -20 °C - +55 °C for full operating lifetime
- -40 °C - +85 °C storage

Pending approval and certifications:

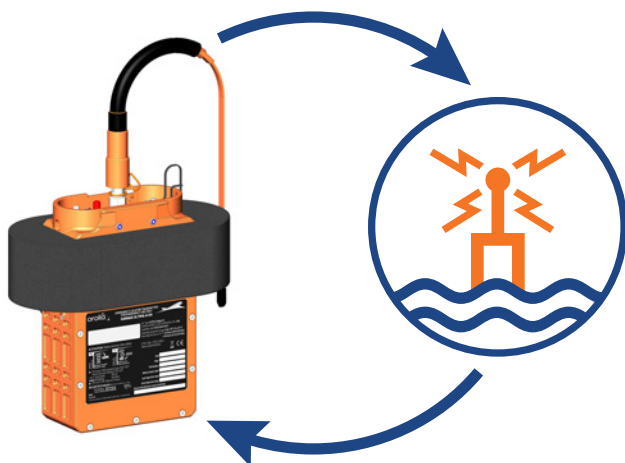
- Cospas Sarsat TAC pending
- (E)TSO-C126c, (E)TSO-C142b
- DO-227A, DO-160G, DO-178C/254

Boeing Ultima-S Versions

- **P/N S1863501-13**
KANNAD ULTIMA-S, ELT - buoyant version
- **P/N S1863501-14**
KANNAD ULTIMA-S, ELT - buoyant version with RLS
- **P/N S1863551-11**
MOUNTING BRACKET, KANNAD ULTIMA-S

Other Airframers Ultima-S Versions

- **P/N S1863501-03**
KANNAD ULTIMA-S, ELT - buoyant version
- **P/N S1863501-04**
KANNAD ULTIMA-S, ELT - buoyant version with RLS
- **P/N S1863551-01**
MOUNTING BRACKET, KANNAD ULTIMA-S



Exchange Program: Trade-in your old ELT

Operators can trade-in their DO-227A non-compliant ELTs to the new Kannad Ultima-S through [Orolia's Portable ELT Exchange Program](#).

Any airlines participating in this program will access Orolia's preferred conditions no matter if their current portable ELTs has been manufactured by Orolia or not.

Contact us to find out how to apply to the Portable ELT Exchange Program.