



The Global Leader in
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). Lithium batteries allow temporary operation at cold temperature (-40 °C).

- **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 upon contact with 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 in non-buoyant (category B) version 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 and B; Class 2, Cospas Sarsat ELT(S)

Activation: Manual and water switch (cat A variants), manual (cat B variants)

Signal / message:

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

Location: GPS and Galileo L1 internal receiver, 72 channels

Distress acknowledgment through Galileo RLS Type 1

Battery type: Lithium, MnO₂

Battery service life: 6 years

Dimensions:

- With antenna: 320 mm x 200 mm x 105 mm
- Without antenna: 200 mm x 200 mm x 105 mm

Boeing Ultima-S Versions

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

Weight: 1.55 kg (without bracket)

Mounting: horizontal or vertical with bracket, bag

Programming: PR600 programmer or dongle, via dedicated connector

RFID tag

Cospas Sarsat short and long self-test

Temperature environment:

- -20 °C - +55 °C for full operating lifetime
- -40 °C temporary operation for 30 min
- -40 °C - +85 °C storage

Approvals and certifications:

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

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

Complete your ELT package with the new Ultima Distress Tracking ELT

As part of the Global Aeronautical Distress and Safety System(GADSS) regulation adopted by the International Civil Aviation Organization (ICAO), large aircrafts delivered after January 1, 2021, are required to be equipped with an Autonomous Distress Tracking (ADT) capability to transmit an alert, along with aircraft successive positions, as soon as a distress condition is detected while the aircraft is still in flight. Key stakeholders, like operators, ATSU and RCC shall access resulting distress tracking data.

