

KANNAD 406 AS

Survival Cospas-Sarsat ELT 121.5/243/406MHz

Photo: THALES



Main characteristics

This new generation of ELT complies with the latest regulation and offers all the improvements of the COSPAS-SARSAT system with the 406 MHz frequency:

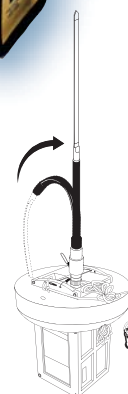
- **Global coverage**
thanks to COSPAS-SARSAT multiple satellite constellation
- **Precise pinpointing (<1NM)**
due to the unparalleled frequency accuracy of the 406 transmitter
- **Identification of the aircraft in distress**
the ELT transmits a unique aircraft identification number
- **Efficient process of false alarms**
to avoid costly search and rescue operations

Description

Specialist in pinpointing distresses by satellite and number one in 406 MHz maritime Emergency Position Indicating Radio Beacons (EPIRBs), Martec Serpe-lesm extends its range of ELTs with the KANNAD 406 AS.

The KANNAD 406 AS is an aeronautical survival beacon.

Thanks to its small size and light weight, the KANNAD 406 AS fits easily inside a liferaft. It is supplied with a floating collar.



Key features and options

The ELT is programmed with either the aircraft tail number, a serial number or the aircraft operator designator. This operation takes only a few seconds with the programming equipment developed by Martec Serpe-lesm.

It can be installed inside an aircraft on a mounting bracket or in a carry-off bag (both on options). The mounting bracket option includes a locking pin to avoid accidental activation before ELT removal. The locking pin can be ordered separately with the carry off version.

The ELT can be fitted with a "Water Switch Sensor" to be activated automatically when in contact with water.

A buzzer and a led indicate activation.

An integrated "self test" checks the main functions of the beacon. The test result is given by the led flashing sequence.

Battery replacement is only necessary every 6 years thanks to LiMnO2 technology. This represents a considerable improvement over standard generation ELTs with battery replacement necessary every year or every two years.

The **KANNAD 406 AS** is qualified by the French Civil Aviation in Europe with **JTSO-2C91a & JTSO-2C126** and by FAA with **TSO-C91a & TSO-C126** applied to "survival" beacons.

The Kannad 406 AS fully complies with JAR-OPS 1-830 regulation.

P/N

P/N S1823502-03

Options:

P/N S18 20 511-03 carry-off bag

P/N S1820511-02 Mounting bracket with locking pin

P/N S1820514-14 Water Switch Sensor.

TECHNICAL SPECIFICATIONS

TRANSMISSION

406.025 MHz
5W (37 ±2dBm)
Modulation 16K0G1D
(bi-phase L encoding) with aircraft identification code
Distress message every 50 s
121.5 MHz and 243 MHz
100mW min (+20dBm)
Modulation 3K20A3X
Audio sweep from 1420 Hz to 490 Hz
Continuous transmission

POWER SUPPLY

Solid Cathode Lithium battery pack (LiMnO2)
Battery replacement every 6 years

PROGRAMMING

Aircraft nationality and registration marking
Aircraft operator designator and ELT serial number up to 4096
Aircraft ICAO 24 bit address
Serial number

ACTIVATION

Manually
Water Switch Activation on option

SELF TEST

406 MHz RF power
Battery voltage
Frequency
Programming

TEMPERATURE RANGE

Operating -20°C to +55°C
Storage -55°C to +85°C

MECHANICS

Molded plastic
Color yellow (color compounded)

WEIGHT AND DIMENSIONS

1150 gr (2.53lbs) including battery pack, auxiliary antenna and floating collar
Transmitter 172 x 82 x 82 mm (6.77 x 3.22 x 3.22")

TESTS & CERTIFICATION

Type ELT(S)
JTSO-2C91a, JTSO-2C126
ED 62, ED14
TSO-C91a, TSO-C126
D0183, D0204, D0160
Resistance, crush, 500 G shocks, cabin depressurization, watertightness

ANTENNA

Three frequency (121.5 / 243 / 406 MHz)
Whip 400 mm (15.75")
TNC connector