

Let Search & Rescue know
EXACTLY where you are!



Artex
C406-N Series
Emergency
Locator
Transmitter
with
Integrated
Position
Encoding

- Optional Programming Adapter accommodates 24-bit or tail number programming
- Rugged MIL-spec connector
- Operating at 406, 121.5 & 243.0 MHz frequency
- Mounting tray compatible with all Artex 406 MHz ELT's
- Immediate Search & Rescue response
- Worldwide coverage
- TSO-C91a, TSO-C126, ETSO-2C126, COSPAS/SARSAT approved
- Designed for Commercial, General and Military Aviation Requirements
- Integrated ELT to NAV interface (to any GPS, FMC or FMS with ARINC 429 databus)
- Transmits Latitude & Longitude of aircraft position with 100 meter accuracy
- 5-Year Lithium (LiMnO₂) Battery



"Saving Lives"

Artex C-406-N Series

Operating Frequencies:

406.028 MHz \pm 1 kHz Biphase L (16K0G1D)
 121.5 & 243.0 MHz \pm 0.005% (A3X)

Output Power:

406 MHz: 5 W (520 ms / 50 sec) for 24 hours @ -20° C to +55° C
 121.5/243.0 MHz: 100 mW min for 50 hours @ -20° C to +55° C

Output Connector:

BNC Female

Activation:

Automatic by 4.5 ft/sec G-Switch or Manual

Battery:

5 year Lithium (LiMnO₂, solid cathode)

Temperature:

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

Self Test:
 G-Switch enabled
 406 MHz Power
 Antenna/Coax Connection
 Position Data Present
 Low Battery

Remote Control:

ON/ARM/RESET

Antenna:

Rod (110-338) (<450 KTS)
 Blade (110-340) (<600 KTS)

Mounting Hardware:

Mounting Tray P/N 452-5050
 Protective Top Cover P/N 452-3052
 End Cap P/N 452-5066

Other Parts:

Coax cable
 Buzzer (to alert ground crews of accidental activation)
 C406-N Programming Adapter (P/N 453-5078)(Optional)

Weights:

ELT Transmitter: 3 LB 8 oz Max (1.6 Kg)
 Mounting Tray: 7 oz (200 g)
 Protective Top Cover: 6.7 oz (190 g)
 End Cap: 3.8 oz (108 g)
 Total Weight: 4 lb 10 OZ (2.1 Kg)

Measurements:

ELT Transmitter with Mounting Hardware Installed:
 11.74" (298mm) L x 3.90" (99mm) H x 3.82" (97mm) W

Part Numbers:

C406-N: 453-5060 (Transmitter Only)
 C406-N HM: 453-5061 (Transmitter Only)

The Artex **C406-N** is a single output ELT that incorporates latitude/longitude information from the aircraft navigation system. By use of an optional programming adapter, the ELT can also be programmed with the aircraft's 24-bit address for fleet operators as well as other custom programming. All 3 emergency frequencies (121.5/243.0 and 406.028 MHz) utilize the same RF output, which requires only 1 coax cable to connect to the new series of Artex single input antennas. The ELT automatically activates during a crash and transmits the

standard swept tone on 121.5 and 243.0 MHz. Every 50 seconds for 520 milliseconds (long message protocol) the 406.028 MHz transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. Also available is the Artex **C406-N HM**, which is equipped with a 6 axis "G" Switch for helicopter installations. Except for the end cap (P/N 452-5066), the mounting hardware for the C406-N Series is compatible with all previous models of Artex 406 MHz ELT's.

