Why Choose Artex?

Boeing
Cessna
Hawker Beechcraft
Piper
Cirrus
Diamond
Quest
Gulfstream
Bombardier/Learjet
Embraer
Sikorsky
Bell
U.S. Military

Because They Do

ARTEX

THE SCIENCE OF SURVIVAL

SPECIFICATIONS

Operating Frequencies
406.040 MHz +/- 1 kHz
121.5 MHz +/- 6.075 kHz
Depending on Cospas-Sarsat TAC

Output Power
406 MHz: 5W for 24 hours @-20°C to +55°C (-4°F - 131°F)
121.5 MHz: 50 mW for 50 hours @ -20°C to +55°C (-4°F - 131°F)

Output Connector
BNC female

Activation
Automatic via G-switch by
4.5 ft/sec (2.3 G) or
Manual activation

Battery
6-year lithium $LiMnO_2$

Temperature Certified to:
Operating: -20°C to +55°C
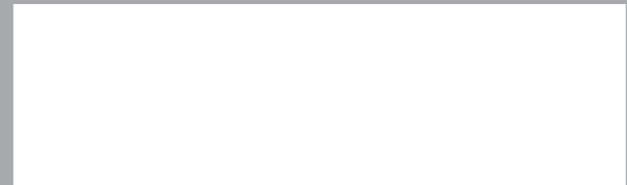(-4°F to +131°F)
Storage: -55°C to +85°C
(-67°F to +185°F)

Remote Switch
Standard P/N 8304

Self Test
G-Switch enabled
406 MHz and 121.5 power
NAV system
Low battery

Remote Control
On/Arm/Test

Mounting Hardware
ELT 345 Mounting Tray: 8323
Universal mounting hole pattern fits 90% of existing ELT hole configurations

Other Parts
Coax cable and antenna
Audio buzzer (alerts ground crews of inadvertent activations)
Remote switch

Weights (with tray)
Total Weight: 2.00 lbs (907.19 g)

Measurements
ELT transmitter with mounting hardware installed: 6.40" (16.26 cm) (L) x 2.96" (7.52 cm) (H) x 3.78" (9.60 cm) (W)

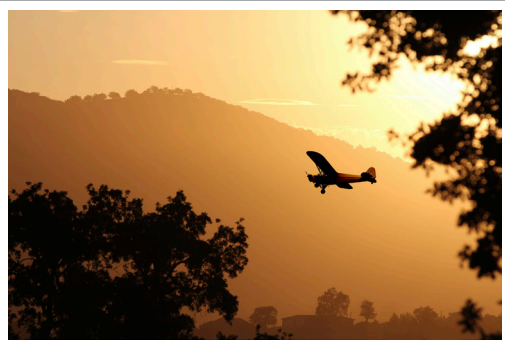**Part Numbers**
ELT 345 - 8102

Antennas
Whip Antenna (Black) 8324

Distributed By

ARTEX

ACR Electronics, Inc.
Ft. Lauderdale, FL USA
www.ACRARTEX.com

E3-01-0258

ARTEX ELT 345

406 MHz Emergency Locator Transmitter with GPS Navigational Interface

ARTEX

Quick and Easy
Retrofit for General Aviation Aircraft

EASE OF INSTALLATION

The ARTEX ELT 345 provides a quick-and-easy retrofit opportunity with flexible installation options such as a two-wire remote switch that does not require any aircraft power. Because it is a single output ELT, the ELT 345 utilizes the same RF output and only one coax cable to transmit both 406 MHz and 121.5 MHz signals. The built-in navigational interface does not require aircraft power to operate which greatly reduces the cost of installation. The stainless steel mounting bracket has a multiple-hole pattern configuration which makes the replacement of legacy ARTEX ELTs or old ACK, Kannad and AmeriKing ELTs quick and easy.

Pair the ELT 345 with ARTEX's exclusive online satellite confirmation testing system, 406Test.com, and get real-time beacon testing results, from the same satellites used by Search and Rescue, to ensure your ELT system is functioning properly. There is a reason that ARTEX ELTs are the choice of more aircraft manufacturers than any other; they trust ARTEX to build the highest quality products knowing they are used to save lives.

Single Antenna Output

Stainless Steel Mounting Strap Complies with new FAA Guidelines

HOW THE ARTEX ELT 345 WORKS

The ARTEX ELT 345 can be activated manually (via cockpit remote switch or ELT switch) or automatically (the G-Switch senses a 2.3G or greater impact), and alerts the closest Search and Rescue agency of your emergency. The 406 MHz signal, containing your GPS coordinates, is transmitted to the Cospas-Sarsat satellites and relayed to the Mission Control Center where it is immediately routed to the nearest Search and Rescue agency. Your beacon's registration will tell first responders who you are and the beacon itself lets them know where you are to within 100 meters. Finally, the local 121.5 MHz homing signal assists Search and Rescue forces to identify your exact location.

An ELT is a device that can be manually or automatically activated to transmit a distress signal to Search and Rescue satellites. ELTs that activate automatically use a "G-Switch" (gravity switch) that triggers the ELT when it senses that a crash has occurred. With ELTs, Search and Rescue teams may more easily pin-point the exact location of a downed aircraft. Section 91.207 of the Federal Aviation Regulation, as well as Part 121 states that no person, operators and operations governed by Part 135 may operate a U.S. registered civil aircraft unless an approved automatic type emergency locator transmitter is attached to the aircraft. Similar regulations are established by aviation authorities through-out the world.

PRODUCT OVERVIEW

When an emergency happens, rely on the same brand that leading aircraft manufacturers trust for first-class quality, superior technology, and outstanding customer service. The new ARTEX ELT 345 is built to the industry's most stringent quality management standards to ensure the ELT works the first time, every time. The ARTEX ELT 345 transmits on 406 MHz and 121.5 MHz frequencies while providing positon accuracy thanks to the built-in GPS navigational interface. GPS data is embedded within the first emergency transmission and provides Search and Rescue personnel with the aircraft location, within 100 meters, in less than a minute. The ELT 345 boasts an industry low price for an ELT providing the same quality and performance on which the ARTEX brand was built.

GPS Interface and 2-wire remote switch connection

ARTEX
THE SCIENCE OF SURVIVAL

ARTEX

ARTEX ELT 345

Emergency Locator Transmitter

406 MHz

The ELT 345 boasts an industry low price for an ELT providing the same quality and performance on which the ARTEX brand was built. GPS data is embedded within the first emergency transmission and provides Search and Rescue personnel with the aircraft location, within 100 meters, in less than a minute.

Worldwide Coverage

ARTEX ELT 345
406 MHz Emergency Locator Transmitter

How the ARTEX ELT 345 works

The ARTEX ELT 345 can be activated manually (via cockpit remote switch or ELT switch) or automatically (the G-Switch senses a 2.3G or greater impact), and alerts the closest Search and Rescue agency of your emergency. The 406 MHz signal, containing your GPS coordinates, is transmitted to the Cospas-Sarsat satellites and relayed to the Mission Control Center where it is immediately routed to the nearest Search and Rescue agency. Your beacon's registration will tell first responders **who** you are and the beacon itself lets them know **where** you are to within 100 meters. Finally, the local 121.5 MHz homing signal assists Search and Rescue forces to identify your exact location.

Ease of Installation

The ARTEX ELT 345 provides a quick-and-easy retrofit opportunity with flexible installation options such as a two-wire remote switch that does not require any aircraft power. Because it is a single output ELT, the ELT 345 utilizes the same RF output and only one coax cable to transmit both 406 MHz and 121.5 MHz signals. The built-in navigational interface does not require aircraft power to operate which greatly reduces the cost of installation. The stainless steel mounting bracket has a multiple-hole pattern configuration which makes the replacement of legacy ARTEX ELTs or old ACK, Kannad and AmeriKing ELTs quick and easy.

Pair the ELT 345 with ARTEX's exclusive online satellite confirmation testing system, 406Test.com, and get real-time beacon testing results, from the same satellites used by Search and Rescue, to ensure your ELT system is functioning properly. There is a reason that ARTEX ELTs are the choice of more aircraft manufacturers than any other; they trust ARTEX to build the highest quality products knowing they are used to save lives.

SPECIFICATIONS

Operating Frequencies
121.5 MHz +/-6.075 kHz
(Emission Designator 3K20A3X)
406.040 MHz +/- 1 kHz,
(Emission Designator 16K0G1D)
Depending on Cospas-Sarsat TAC

Output Power
406 MHz: 5W for 24 hours @ -20°C to +55°C
(-4°F - 131°F) 121.5 MHz: 50 mW for 50 hours
@ -20°C to +55°C (-4°F - 131°F)

Output Connector
BNC Female

Activation
Automatic by 4.5 ft/sec (2.3 G) Primary G-Switch and Manual Activation

Battery
6-year Lithium $LiMnO_2$

Temperature Certified to:
Operating: -20°C to +55°C (-4°F - 131°F)
Storage: -55°C to +85°C (-67°F - 185°F)

Self-Test Checks
G-Switch Enabled
406 MHz and 121.5 MHz Power
NAV system
Low Battery

Remote Control
On/Arm/Test

Mounting Hardware
ELT 345 Mounting Tray: 8323

Other Parts
Coax Cable and Antenna
Audio Buzzer (alerts ground crews of inadvertent activations)
Remote Switch

Weights (with tray)
Total Weight: 2.00 lbs (907.19 g)

Measurements
ELT Transmitter with mounting hardware installed:
6.40 (L) x 2.96 (H) x 3.78 (W) inches
(16.26 x 7.52 x 9.60 cm)

ELT KIT COMPONENTS			
ELT KIT	BEACON & BATTERY	SWITCHES	ANTENNAS
P/N 8102	8100	8304	8324

Remote Switch 8304 — Whip Antenna 8324 — 406 ELT 8100 — Mounting Bracket 8323

Features of the ELT 345

• Automatic Fixed (AF) Emergency Locator Transmitter

• Designed for a quick and easy first-time or retrofit installation in experimental and general aviation aircraft

• Single antenna output for emergency transmission on both 406 MHz (Cospas-Sarsat) and 121.5 MHz (local Search & Rescue) frequencies

• Enhanced position accuracy within 100 meters through a built-in GPS interface (NMEA 0183 or RS 232)

• Test the ELT and installation with a satellite-based online confirmation test via ARTEX's proprietary satellite testing service 406Test.com

• New hermetically sealed G-Switch for increased reliability

• Aviation grade connectors and cabling included

• Includes the ELT 345 transmitter, dual band whip antenna, 2 wire remote switch, mounting tray and all required hardware for less than $600

• If you use it... ARTEX will replace it, Free of charge. Learn more at Survivorclub.com

• COSPAS-SARSAT Approved. Visit www.ACRARTEX.com for all approvals

• New stainless steel mounting bracket has a multiple hole pattern configurations to replace legacy ARTEX ELTs as well as ACK, Kannad or AmeriKing ELTs

• 2 wire interface that doesn't require aircraft power

• Encoded digital message broadcasts aircraft identification/registration providing access to owner/emergency contact details

• Worldwide coverage

406 MHz

Worldwide Coverage

GPS

Battery:
6-year Lithium $LiMnO_2$

Why Choose Artex?
Boeing
Cessna
Hawker Beechcraft
Piper
Cirrus
Diamond
Quest
Gulfstream
Bombardier/Learjet
Embraer
Sikorsky
Bell
U.S. Military
Because They Do

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