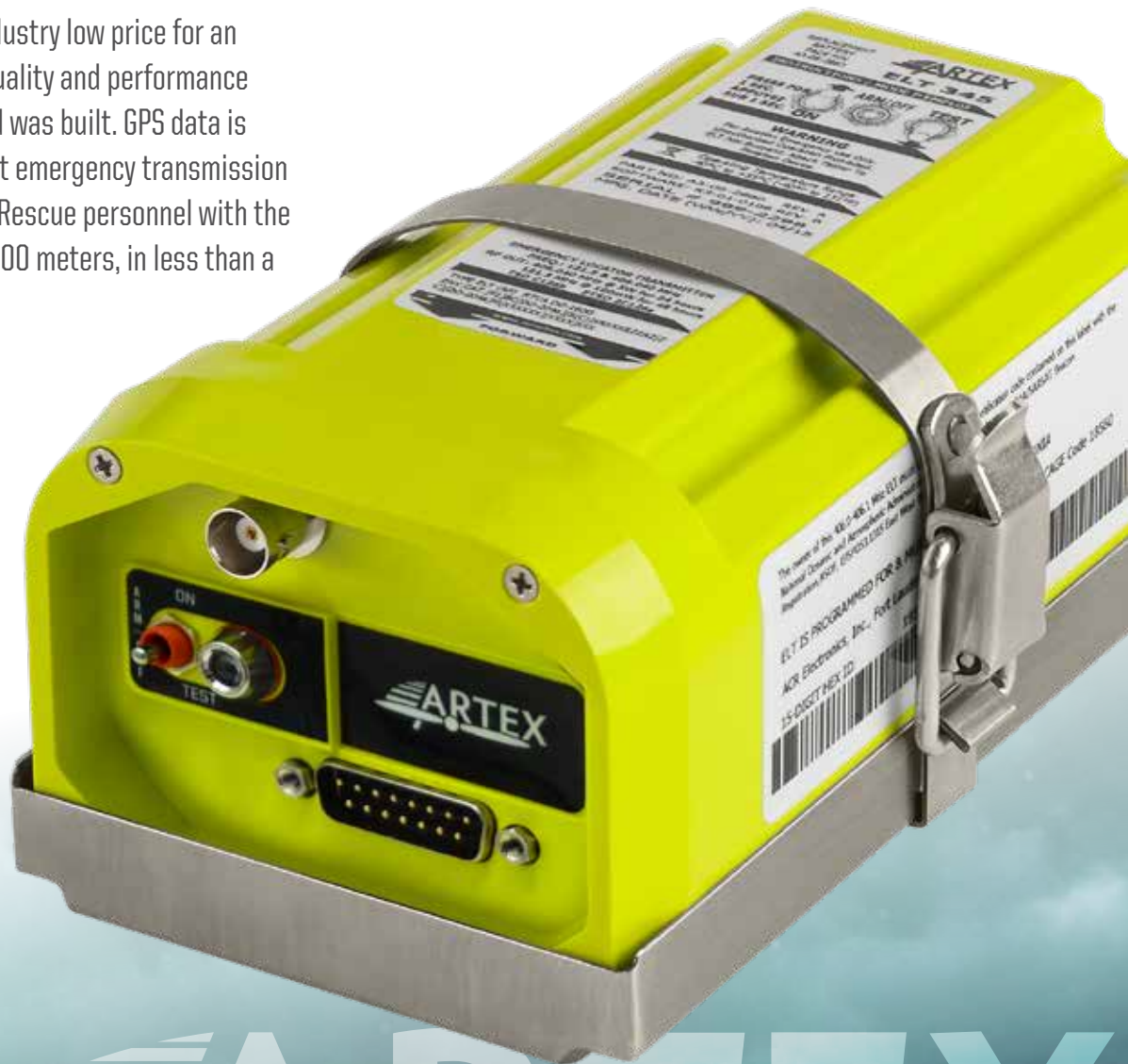# ARTEX

EMERGENCY LOCATOR TRANSMITTER
ELT 345

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.

An ACR Electronics Brand ACR

ELT 345 Kits

CONFIGURABLE & FLEXIBLE

8102
ARTEX STANDARD 2-WIRE REMOTE SWITCH

2" Tall
x
1.3" Wide

8107
ARTEX STANDARD 2-WIRE REMOTE SWITCH

8108
ARTEX SLIMLINE 2-WIRE REMOTE SWITCH
(Fits ACK and Ameriking)

2.08" Tall
x
0.75" Wide

Key Features

- Automatic Fixed (AF) Emergency Locator Transmitter (ELT)
- FAA TSO Approved
- Designed for a quick and easy first-time or retrofit installation in experimental and general aviation aircraft
- Installation kit included
- Stainless steel mounting bracket has multiple hole pattern configurations to match legacy ARTEX ELTs as well as ACK, Kannad or AmeriKing ELTs
- Single antenna output for emergency transmission on both 406 MHz (Cospas-Sarsat) and 121.5 MHz (local Search & Rescue) frequencies

- Optional enhanced position accuracy within 100 meters through a built-in GPS interface (NMEA 0183 or RS 232)
- Hermetically sealed G-Switch for increased reliability
- If you use it in an emergency and share your story with us... ARTEX will replace it, Free of charge. Learn more at Survivorclub.com
- Test the ELT and installation with a satellite-based online confirmation test via ARTEX's proprietary satellite testing service 406Test.com

ANTENNA OPTION 1
23.4"
Whip Antenna

ANTENNA OPTION 2
15" Compact
Whip Antenna

Using NMEA or RS232 Data input, your GPS coordinates are included in your distress message on the very first burst.

No aircraft power required saving valuable time and money during installation

ARTEX PART NUMBER	PRODUCT DESCRIPTION	ANTENNA INCLUDED	REMOTE SWITCH INCLUDED
8102	ARTEX ELT 345 Standard Kit with GA Install Kit, Black Whip Antenna, and Standard Remote Switch	23.4" Tall Black Whip Antenna	ARTEX Standard 2-Wire Remote Switch (2.00 x 1.30 Inches)
8107	ARTEX ELT 345 Compact Kit with GA Install Kit, Compact Black Whip Antenna, and Standard Remote Switch	15" Tall Black Whip Antenna	ARTEX Standard 2-Wire Remote Switch (2.00 x 1.30 Inches)
8108	ARTEX ELT 345 Slim Kit with GA Install Kit, Compact Black Whip Antenna, and Slim Remote Switch	15" Tall Black Whip Antenna	Slimline 2-Wire Remote Switch (Fits ACK and Ameriking) (2.08 x 0.75 Inches)

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 transmits a unique digital signal on the 406 MHz distress frequency alerting 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 agencies 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 our standard or slim style two-wire remote switch that does not require any aircraft power. ELT 345 utilizes the same RF output using only one coax cable to transmit both 406 MHz and 121.5 MHz signals through either our 15- or 23-inch whip antennas. 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 that makes the replacement of legacy ARTEX ELTs or ACK, Kannad and AmeriKing ELTs quick and easy.

Pair the ELT 345 with ARTEX's exclusive online satellite confirmation testing system, 406Test.com, available in North America, 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.

ELT 345 Kits

There are now three comprehensive kit options available that provide users with access to the ELT 345, the world's most popular ELT. Each option features a 2-wire remote switch, coax cable, antenna, and ELT installation kit. The primary difference between the kits pertains to the antenna and/or switch offering. Our most economical option (part number 8102), comes with our standard black whip antenna (23") and standard 2-wire remote switch. The other two kits include a lower profile antenna option featuring a black whip antenna (15") designed for installations where a shorter form factor is required. Lastly, while the 8102 and 8107 kits include the standard 2-wire remote switch, the 8108 kit features a new slim profile switch. The new slim switch is perfect for ACK and Ameri-King ELT retrofits as it requires no modification to the switch panel cut-out when replacing a legacy phone cord style switch. As an added benefit, the slim switch requires no batteries and operates using 2 wire connectivity for dependable cockpit panel operation.

SPECIFICATIONS

Operating Frequencies
121.5 MHz +/- 6.075 kHz
(Emission Designator 3K20A3X)
406.040 MHz +/- 1 kHz
(Emission Designator 16K0G1D)

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

Output Connector
BNC Female

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

Remote Control
On/Arm/Test

Battery
6-year Lithium LiMnO$_2$

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

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

Mounting Hardware
ELT 345 Mounting Tray: 8323

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)

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

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

Certifications
• TSO C126B
• TSO C142A
• Industry Canada
• Cospas-Sarsat
• Brazil ANAC & ANATEL
• EASA

Other Key Features

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ACR Electronics, Inc.
5757 Ravenswood Road
Fort Lauderdale, FL 33312

Tel: (954) 981.3333
Fax: (954) 983.5087
Email: sales@acrartex.com

www.ARTEX.com

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