# ARTEX

GENERAL AVIATION ELT TEST & PROGRAMMER SET

# TPS 8715

The ARTEX TPS 8715 allows for verification, testing and programming of the ARTEX General Aviation line of ELTs.

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# TPS 8715 GENERAL AVIATION ELT TEST & PROGRAMMER SET

## ELT Testing and Verification of ELT ID

Aircraft Emergency Locator Transmitters (ELTs) are required to have their unique identification number registered with the national authorities. The ARTEX TPS 8715 for General Aviation provides a simple method to verify and save the ARTEX ELTs ID after installation, reprogramming or should the beacon need to be re-registered after an aircraft ownership change. This system only programs ARTEX General Aviation ELTs* including the ME406, ELT 345 and ELT 1000.

## ELT Decoding

The ARTEX TPS 8715 is a rugged, compact, and portable system that decodes the transmission of 406 MHz Cospas-Sarsat transmissions. The transmission can be read directly though the antenna cable or through the antenna itself. The unit will also indicate if 121.5 MHz is present. The TPS 8715 is a decoding device only and does not measure power. Please contact your local authority for ELT measurement requirements for annual inspections.

## Program GA Line of ELT

The TPS 8715 can quickly and easily program the full line of ARTEX General Aviation ELTs with the desired protocol, NAV Data Baud Rate and required information as outlined by Cospas-Sarsat through the programming cable (included).

## Test Data

The TPS 8715 records all data in an internal database which can be backed up to your PC. The data can be viewed on the computer independently of the TPS 8715, and it is time stamped as proof of transmission and proper programming. The TPS 8715 can print via a USB interface to a PC. The printing capability requires a downloadable software program available at ACRARTEX.com.

*For transport level ELT Programming, please refer to Part Number 8700*

Low Cost

Free Online Training and Software

Easy to Use

## SPECIFICATIONS

**Product Number:** 8715

**406.025 Receiver Range**
-60dBm to +36dBm
(5W signal)

**Decoding**
Per Cospas-Sarsat C/S T.001
(Issue 3, Revision 5)

**Operating System**
Windows CE 5.0 / Garnet OS 5.4

**Microprocessor**
400 MHz Samsung

**Memory (Volatile)**
64 megabytes SDRAM

**Memory (Non-Volatile)**
128 megabytes Flash

**Memory (Expansion)**
via MZIO™ bus standard

**Display LCD Type**
TFT High Brightness Touch

**Resolution**
Screen 240x320 pixels

**Area Backlight**
3.5" LED

**Communications**

| | |
|---|---|
| USB | 1 megabyte / sec |
| Serial (RS232) | 1200 to 115200 bits/sec |
| Infrared (IrDA) | 1200 to 115200 bits/sec at 1 meter |

**Communications Connector**
13 pin - custom gold plated pins

**Battery Type**
Rechargeable Lithium Ion, custom battery pack

**Battery Voltage / Capacity**
7.4V nominal / 1700 mAh

**Protection**
Over charge discharge and thermal

**Charging Current**
1.2A (maximum)

**Charging Input**
12V DC nominal

**Weight**
1 LB (456gm)

**Mechanical Dimensions w/o Antenna**
6.7" (170mm)(L) x 3.7" (94mm) (W) x 1.53" (39mm) (H)

**Operating Temperature**
-10°C to 60°C

**Storage Temperature**
-20°C to 65°C

**Humidity**
5% to 90% relative humidity (non-condensing)

**FCC / CE**
Part 15, Class A / EU EMC Directive

**Sealing**
IP67 (submersible to 1 meter - 30 min.)

**RFI / EMC**
CSPR22, CSPR24 (RF emissions & ESD immunity)

**Current Consumption**

| | |
|---|---|
| Power on | 130mA typical (Meazura only - backlight off) |
| Full System | 60mA typical (Backlight on) |
| Sleep Mode | 7mA typical |