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.

An ACR Electronics Brand

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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

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