ELT TEST & PROGRAMMER SETS

TPS 8700 / TS 8701

P/N: 8700 - Programmer / Tester P/N: 8701 - Tester

The ARTEX Programmer / Tester and the ARTEX Tester are rugged, compact, and portable systems that allow for programming and/or verification and testing of all ARTEX ELTs. A convenient online training component facilitates programming of ELTs.

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ARTEX TESTER (P/N 8701)

The following features are available with part numbers 8700 and 8701

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 Tester 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.

ELT Decoding

The ARTEX Tester 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 Tester is a decoding device only and does not measure power. Please contact your local authority for ELT measurement requirements for annual inspections.

Test Data

The ARTEX Tester 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 Tester, and it is time stamped as proof of transmission and proper programming. The Tester can print via a USB interface to a PC. The printing capability requires a downloadable software program available at ACRARTEX.com.

ARTEX PROGRAMMER/TESTER (P/N 8700)

The following feature is only available with part numbers 8700

Programming

The ARTEX Programmer/Tester has all the aforementioned functionality of the Tester and it can also quickly and easily program the full line of ARTEX ELTs. It is capable of programming the desired protocol, NAV Data Baud Rate, and required information as outlined by Cospas-Sarsat through the applicable programming cable (included).

**All features of 8700 and 8701 are only applicable to ARTEX ELTs.*

Water Resistant (IP67)

Rugged

Programming Capabilities	
P/N 8700	ELT 345, ELT 1000, ME406, C406-N, C406-1, C406-2, B406-4, G406, ELT 3000, and RB 406
P/N 8715	ELT 345, ELT 1000, and ME406
P/N 8701	Decode Only - No Programming Capabilities

SPECIFICATIONS

Product Number: 8700/8701

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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