

AP4110 Programmer

FEATURES

- **Tag programming software that provides user-friendly tool for entering tag data and either storing it or transferring it to the tag**
- **Capability for users to selectively program tags according to their own specific coding formats**
- **Verifies the code programmed into any tag whose programming port is unsealed**



The AP4110 Programmer is used to transfer 128-bit identification codes to field-programmable Amtech® brand tags.

Programming is accomplished via a PC interface that allows 20 alphanumeric characters—including optional security characters—to be coded into the tag's data frame. Custom features such as automatic sequential numbering or barcode interface can be created through the PC interface. Software for this purpose may be developed by the user or by TransCore software development experts.

Included with the AP4110 is Amtech brand Tag Programming (TP) software for easy entry of data, creation and modification of data files, transfer of data to tags, verification of tag data, and output of tag information to label printer and tag files. TP software allows

users to create table files to expedite data entry of codes for tags with common attributes. Input data files may be generated either by the TP system or by other software systems.

Transfer of programmed data to the tag requires only a few simple steps. Once the code is entered, the user issues a command to initiate code transfer. The tag is then pressed onto the programming head, and the code is automatically transferred to the tag.

The AP4110 can verify the code programmed into any tag whose programming port is unsealed. The verification sequence is initiated through the TP software, and the tag is pressed onto the programming head. The tag ID is then automatically displayed on the PC screen.

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HARDWARE FEATURES

PC-to-Programmer Cable
RS-232 (with adapters)

POWER REQUIREMENTS

Input Voltage
110/220 V AC
12V DC
(UL-1950 approved transformer supplied)

Power Consumption
<1.5W

PHYSICAL

Dimensions
Size: 24.1 x 41.9 x 10.2 cm (9.5 x 16.5 x 4.0 in)
Weight: 3.2 kg (7.0 lb)

ENVIRONMENTAL

Operating Temperature
0°C to +70°C
(+32°F to +158°F)

Environment
Dustproof

STANDARDS

ISO, AAR, ANSI, ATA and IATA Compatible Coding

The AP4110 is capable of coding tag data formats that are compatible with RF identification standards developed by the International Organization for Standardization (ISO), the American National Standards Institute, the Association of American Railroads, the American Trucking Associations, and the International Air Transport Association.

LICENSING

Electromagnetic Compatibility

The AP4110 has been tested and found to comply with the limits established by Part 15 of the Federal Communications Commission (FCC) rules for a Class A digital device.

The AP4110 has also been certified to comply with all relevant European directives (CEMPRK).

OPTIONS

Programming Bracket

A tag programming bracket is provided with the AP4110 as specified by the customer. To order additional tag brackets, please specify tag type when ordering.

Security Stamp

The AP4110 is available with a security stamp feature. With this feature, a unique security stamp is coded automatically into every tag programmed by the security-enabled AP4110. This feature may be employed in overall system security to help prevent the use of unauthorized tags.

ACCESSORIES

Plug Insertion Tool

The AS8010 Plug Insertion Tool allows the user to seal multiple tags quickly and securely.

Plug Removal Tool

The AS8003 Plug Removal Tool kit allows the user to remove plugs for the reprogramming of transportation tags.

Grounding Wrist Strap

The AP4110 includes a grounding strap to be worn when programming tags. The grounding strap prevents damage to tag circuits from electrostatic discharge.

Carrying Case

The AP4110 comes with a durable case for protection and easy carrying.

Adapter for Mobile Operation

A 12 V DC power cable with cigarette lighter adapter enables mobile operation of the AP4110.

DOCUMENTATION

Tag Programming System Software User Guide

AP4110 Programmer's Guide



For product information call: 1.800.923.4824 or 972.733.6600 (outside the U.S.) Fax 972.733.6486

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