

# AP4600 Multifunction Tag Programmer

## Features

- ▶ Programmer reads data from and writes data to Super eGo® (SeGo), eGo, and 18000-6C/EPCglobal Gen2 protocol tags
- ▶ Supports TransCore's mutual authentication strategy for SeGo protocol tags
- ▶ Tag programmer can read American Trucking Associations (ATA), Wiegand-formatted, and Title 21/Allegro data from existing tags
- ▶ Users may selectively program tag page data fields according to their specific coding formats
- ▶ Required License Certificate configures the programmer parameters
- ▶ Tag programmer functions include frame programming and data frame interrogation
- ▶ Security features incorporated into the programmer prevent unauthorized use
- ▶ Tag programmer system updates can be performed in the field
- ▶ Host computer interface via USB communications port
- ▶ User-friendly tag programming software
- ▶ Host software supports label printing (using Brother QL-500 series Label Printer, which must be supplied by user)



The AP4600 Multifunction Tag Programmer is used to program TransCore tags that use the SeGo protocol, including eGo Plus-series tags, eGo Plus Security Sticker Tags, AT5400- and AT5900-series hard case tags, eZGo Anywhere™-series tags, eGo Plus to Go Tags, external mount tags, and hang tags. In addition, this programmer can read from and write to ISO 18000-6C/EPCglobal Gen2 protocol tags, and read ATA, Wiegand-formatted, and Title 21/Allegro data from existing tags<sup>1</sup>.

Programming occurs via a radio frequency (RF) signal. Tag programmer functions include programming permissible tag data pages and interrogating permissible data pages.

A separate License Certificate (part number 25-1000-001), which TransCore provides electronically, is required to configure the AP4600 Multifunction Tag Programmer to a customer's specific tag programming needs.

Transferring programmed data to the tag requires a few simple steps. The user places a tag in the center of the top of the programmer, downloads or manually enters the tag data into the host system, then issues a command to the AP4600 Multifunction Tag Programmer to write the data to the tag. The AP4600 tag programmer automatically verifies data programmed into the tag.

The user can also read data previously written to the tag. With the tag located on the programmer surface, the operator issues a tag read command to the programmer via the host computer. The AP4600 Multifunction Tag Programmer then reads the tag and transfers the tag's data back to the host computer.

The accompanying AP4600 host software supports batch tag programming, which speeds up multiple tag programming sessions; and supports label printing using a Brother QL-500 series Label Printer (printer must be supplied by user).

1. Contact TransCore for assistance with writing to Title 21/Allegro protocol tags.

# AP4600 Multifunction Tag Programmer

## SYSTEM REQUIREMENTS

User-supplied host computer must use Windows (XP, Vista, or 7) operating system

## COMMUNICATIONS

### Interconnect Cable

Single USB host computer-to-programmer cable

## POWER REQUIREMENTS

### Input Voltage

120V AC

### Power Consumption

20 W

## PHYSICAL SPECIFICATIONS

### Dimensions (WxHxD)

8.25 x 4.5 x 5.25 in. (20.95 x 11.43 x 13.33 cm)

### Weight

1.60 pounds (0.73 kg)

## ENVIRONMENTAL

### Operating Temperature

+32°F to +122°F (0°C to +50°C)

### Storage Temperature

-4°F to +185°F (-20°C to +85°C)

### Humidity

95% noncondensing @77°F to 122°F (25°C to 85°C)

### Enclosure

Rugged/scratch resistant

### Operational Vibration

1.04  $G_{rms}$ , 5-500 Hz, power spectral density-uniform 0.0022  $G^2/Hz$ , 1 hour per axis

### Shock

4  $G_{zero-to-peak}$  by 11 ms half-sine duration in all 3 axes

## ISO, ANSI, ATA AND IATA COMPATIBLE CODING

The AP4600 Multifunction Tag Programmer can code tag data formats compatible with RFID standards developed by the International Organization for Standardization (ISO), the American National Standards Institute (ANSI), the ATA, and the International Air Transport Association (IATA).

## COMPLIANCE

### RF Interference

Units have been tested and are verified to Part 15 of the FCC rules for a Class A digital device.

## LICENSING

### License Certificate

A separate License Certificate, provided electronically (P/N 25-1000-001) is required for configuring the customer programming requirements

## ACCESSORIES

- ▶ USB data cable
- ▶ Power adapter and cable
- ▶ Accessory Kit (includes host software, quick start instructions, and user instructions)

## RELATED DOCUMENTATION

*AP4600 Multifunction Tag Programmer Quick Start Instructions*

*AP4600 Multifunction Tag Programmer User Instructions*

*Downloading a License Certificate to the AP4600 Multifunction Tag Programmer*

For more information:

Call **214.461.6443** (Sales Support) • **505.856.8007** (Technical Support)

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