AP4119
Rail Tag Programmer

TransCore's AP4119 Rail Tag Programmer is designed for reading and writing data to TransCore's AT5118-compatible rail tags that use Super eGo® protocol.

The AP4119 Rail Tag Programmer connects to a host computer using an RS-232 or USB communications port. It uses a radio frequency (RF) signal to efficiently program rail tags. Functions include programming and interrogating permissible tag data pages.

The AP4119 Rail Tag Programmer is capable of reading data previously written to the tag. It can also read Association of American Railroads (AAR) and American Trucking Associations (ATA) data from rail tags.

Features

▶ Compatible with AT5118, AT5133, and AT5549 (with adapter) rail tags

▶ Reads tags formatted for AAR and ATA

▶ Supports batch programming

▶ Built in security features prevent unauthorized use

Applications

▶ Rail AEI

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SYSTEM REQUIREMENTS

User-supplied host computer must use Windows operating system

COMMUNICATIONS

Interconnect Cable
Single RS232 or USB (data terminal equipment) host computer-to-programmer cable

POWER REQUIREMENTS

Input Voltage
24 VDC

Power Consumption
6 W

PHYSICAL SPECIFICATIONS

Dimensions
14.3 x 3.2 x 11.5 in (36.3 x 8.1 x 29.2 cm)

Weight
6.10 lb (2.77 kg)

HARDWARE

Visual Indicators
One red and four green LEDs on the top surface of the tag programmer to indicate current programmer status

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% non condensing @ 77°F to 122°F (25°C to 50°C)

Enclosure
Dust proof

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

COMPATIBLE CODING

- International Organization for Standardization (ISO)
- American National Standards Institute (ANSI)
- American Trucking Associations (ATA)
- Association of American Railroads (AAR)
- International Air Transport Association (IATA)

COMPLIANCE

Unit contains RFID Module (FCC ID: FIH76007, IC: 1584A-76007) which complies with the following:
CFR 47 FCC Part 15.247 and Industry Canada RSS-210

RF Interference
Complies with Part 15(B) of the FCC rules, and ICES-003 requirements for a Class A digital device.

Safety
Complies with UL/CSA 62368-1

LICENSING

Permissions Tag
The PT5780 Permissions Tag is used to configure the AP4119 Rail Tag Programmer

License Certificate
A license certificate provided electronically from TransCore may be used as an alternative to a permissions tag for configuring customer programming requirements.

INCLUDED ACCESSORIES

- Anti-static wrist strap
- DB9 Interface cable
- USB Type A cable
- 24 VDC power supply and cord

RELATED DOCUMENTATION

AP4119 Rail Tag Programmer Quick Start Instructions

AP4119 Rail Tag Programmer User Guide

Downloading a License Certificate to the AP4119 Rail Tag Programmer

MODEL PART NUMBERS

14-4119-001: AP4119 for FF Tags
14-4119-002: AP4119 w/ adapter for AT5549
13-5780-001: 915 MHZ, Permissions Tag, Rail
13-5780-002: Permissions Tag, Yard Mgmt
21-1001-NNN: License Certificate

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Tel: 1 800 565 3509 | sales@inps.net | www.inps.net

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