

TRAK - Tacho Remote Access Key

With the launch of the digital tachograph, entrepreneurs are required to read and archive both the data of the digital tachograph and the driver card data on a regular basis.

The TIS Tacho Remote Access Key (TRAK) establishes a direct, wireless access to the download interface of the digital tachograph to download the data by using a MDT (mobile data terminal) or a notebook for archival purposes or for approval by authorities.

The TRAK just needs to be attached directly to the download port in order to connect to MDT or laptop via radio to perform a safe and convenient download, even from a certain distance.



The TRAK is suitable for MDT/PC/Notebook-applications that use a serial COM port for the download from digital tachographs.



Item no. 11-04-TRAK

Characteristics

- **Wireless:** An integrated radio module enables the wireless connection from the digital tachograph to MDT or laptop.
Precondition: Your laptop or MDT holds a Bluetooth interface available.
- **Remote:** The radio module also allows a download from some distance to the tachograph. Depending on disturbances of the radio connection up to 10m possible.
- **Battery:** Power supply via tacho, no batteries required.
- **Secure connection:** Each TRAK owns its individual PIN which is required for connection. The data transmission is encrypted.
- **Status Indicator:** The status of the wireless connection is indicated by a blue LED. Operational readiness will be indicated after plugging in by flashing signals, once connected the LED lights permanently.
- **Robust and lightweight:** Secure handling by a robust case and low weight.

Product Information - HARDWARE

Technical Specifications TRAK

STANDARDS

- Bluetooth V2 + EDR (SPP-Profile)
RS232, EIA-232

RANGE

- Class 2 (range up to 10m)

DATA RATE

- up to 115kBits/s

PROTOCOLS

- V.24 / RS232, 8N1, no Handshake

POWER SUPPLY

- +5VDC ... +40VDC (typ. +24VDC over tachograph)

CURRENT CONSUMPTION

- at 12V typ. 7mA / max. 18mA
- at 24V typ. 4mA / max. 9mA

DISPLAY LED

- Flashing (ca. 3Sec.): ready for operation
Continuous light: Bluetooth connection active

SIZE AND WEIGHT

- 70 x 23 x 13mm (L x W x H)
- 11g

CASE MATERIAL

- ABS plastic

TEMPERATURE

- -40 to +85°C

HUMIDITY

- 5 to 80%

CERTIFICATIONS

- FCC (Part15), e1, CE

TRAK Configuration Adapter

By using the Configuration Adapter TRAK the PIN of the TIS TRAK can be changed. The connection to the PC is established via USB. For the configuration a terminal program is necessary, such as HyperTerminal or Putty.

Illustration follows



Technical Specifications TRAK Configuration Adapter

HOST INTERFACE

- USB 2.0 compliant Full-Speed (12Mbps)

TRAK INTERFACE

- RS232 (9.600 Baud)

POWER SUPPLY

- +5VDC over USB

CURRENT CONSUMPTION

- 30mA (without TRAK)

DISPLAY LED

- green (Power), red (RXD/TXD)

TEMPERATURE

- -40...+80°C

CASE MATERIAL

- ABS plastic

PROTECTION CLASS

- IP54

CERTIFICATIONS

- CE

ACCESSORIES

- USB cable, driver-CD