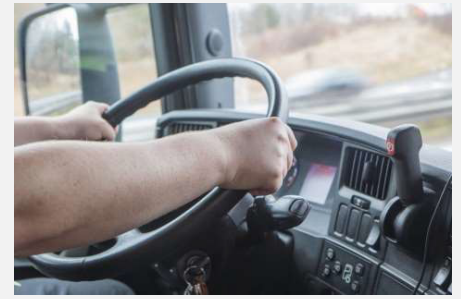




**MONDO  
TRACKING**

# Electronic Logging Device



Hours of Service

PT30 is a standalone Electronic Logging Device (ELD) designed for Hours Of Service (HOS) in compliance with the Federal Motor Carrier Safety Administration and other regulatory agencies worldwide.

## STANDALONE

The ELD includes in a single product all the components required to implement a reliable and standard compliant logger: J1939, J1708/J1587 and OBD-II protocol stacks, GPS positioning, Bluetooth Low Energy connectivity and local storage.

## WIRELESS

The events generated by the device are stored locally and also transmitted wirelessly over a Bluetooth connection. A smartphone or tablet application can run in the foreground to display information to the driver and/or in the background to silently forward events to a cloud-based server.

## SIMPLE

The PT30 is simple to install: it requires a single connection to the diagnostic connector port inside the truck. Pacific Track's Android and iOS SDK's speed up software development by abstracting the low-level communication interface into easy-to-use API's.

## EVOLVE

The PT30 can be connected to a generic cellular tracker to forward events in real time, even in the absence of a Bluetooth device. The PT30 can also report non-HOS related data to create value-added functionality.

## FEATURES

- J1939, J1708/J1587 and OBD-II compliant interfaces
- Integrated GPS engine and antenna
- Bluetooth Low Energy (BLE) wireless interface
- Large capacity storage for offline operations
- Customizable behavior to match customer requirements
- 3-Axis accelerometer for driving behavior analysis

## OPTIONAL FEATURES

- Rechargeable battery to monitor tampering attempts

# Specifications

Preliminary subject to change

## INTERFACE

- Molex Microfit 3.0™ 10-pin
- Deutsch 9-pin J1939/13 cable provided (length 1.5meters)
- Two LED's (GPS and BUS status)

## GPS

- 56-channel GPS engine
- High performance ceramic patch antenna
- Sensitivity
  - Tracking: -161 dBm
  - Cold/Warm Start: -148 dBm

## STORAGE

- Reliable file system with wear leveling and journaling
- Store >50,000 events

## BLUETOOTH

- Bluetooth 4.2 compliant (Low Energy)
- Integrated antenna

## CAN (J1939 and OBD-II)

- Compatible with 250 and 500 kbps systems
- Protected again ground and battery shorts
- ESD protected up to ±14kV

## J1708/J1587

- Standard compliant interface

## ELECTRICAL

- Operating Voltage 8V to 28V
- Over voltage protected with a 36V TVS
- Over current protected with a resettable fuse

## INPUT/OUTPUT

- Ignition wire
- Relay activation
- UART TX/RX

## DIMENSIONS

- 76mm x 71mm x 20mm

## ENVIRONMENTAL

- Dimensions: 76mm x 71mm x 20mm
- Operating Temperature: -30°C to +65°C
- Storage Temperature: -40°C to +85°C
- Operating humidity: 20% to 90% (non condensing)

