

HiTrack* – for mobile use



BOSCH

HiTrack is a board-computer with communication and localisation functionality on a GSM/GPS basis. On a functional side, HiTrack convinces because of its robust construction, its low power consumption and its active supervision of routes and areas (geofencing). HiTrack combines high flexibility with low power consumption. The operating expenses are low as up to 24 positions can be transmitted by a single SMS.

Functions

- Full GSM-functionality (SMS, GPRS, voice, data) with cost-effective and secured SMS protocol (optional)
- ▶ GPS positioning and storage of up to 10,000 positions with active monitoring of routes and areas
 - ▶ Position Lock Alarm when engine is not running
 - ▶ 6 inputs, 3 outputs and one serial base interface
 - ▶ Control of voltage supply and power save mode when battery-run
 - ▶ SW-Update via GSM or serial interface possible

Telecommunication

HiTrack can be used for telephoning with a headset or a hands-free set (optional accessory). Incoming calls are signalled acoustically through a buzzer (accessory) in addition to the LEDs. A red emergency button and a green voice button connect the user with two different phone numbers. Phone numbers for outgoing calls can be configured remotely by the monitoring center.

Registration and transmission of the position data

HiTrack registers automatically the last 13 positions. These positions can be retrieved together with the actual position. In the recording mode the intervals can be configured at will (minimum: 3 sec). The intervals between the transmission of the position data can be configured freely (minimum: 1 minute).

Geofencing

With HiTrack routes and areas can be kept under active surveillance. A route consists of predefined points of a stretch of way. When the vehicle leaves the itinerary, an alarm signal is sent. Either the entrance or the exit of a certain area can activate the alarm (can be configured).

HiTrack can send an alarm when the vehicle changes its position without a running engine. This so-called Position Lock Alarm detects theft, e.g. unauthorised loading of the vehicle onto a trailer.

Accessories

HiTrack comes with flip antenna for GPS and GSM, including cables for connection. Combined GSM/GPS antennas for hidden installations as well as the connection cables for in- and outputs are available as well. For telephoning a normal head set or a hands-free headset kit with boozer can be ordered. Further accessories like batteries, carrying holster (case), remote control etc. can be delivered by our partners.

HiTrack Highlights / Technical Data

	HiTrack Standard	HiTrack Premium
Mechanics		
Dimensions	111 x 85 x 33 mm without battery 111 x 116 x 33 mm with battery	45 x 108 x 115 mm
Box	Aluminium sheet	Aluminium sheet
GSM		
GSM network	GSM 900 / 1800 MHz	GSM 900 / 1800 MHz
Communication	SMS, datacall, GPRS	SMS, datacall, voice connection, GPRS
GPS		
Receiver	16 channel GPS receiver	16 channel GPS receiver
Antenna	active GPS-antenna (3 Volt)	active GPS-antenna (3 Volt)
Power supply		
Voltage	7-28 V	7-28 V
Power consumption		
– Standard mode at 13.8 Volt	45 mA / 160 mA (receiving / sending)	45 mA / 160 mA (receiving / sending)
– Standby mode	4 mA	4 mA
– Sleep mode at 13.8 Volt	500 µA	300 µA
Power supply in case of sabotage	internal NiCd-accumulator (600 mAh)	internal 9 V battery block
Interfaces		
Digital inputs	4	4 (2 low / 2 high active)
Additional inputs	Ignition	Ignition, speed indicator, position lock alarm-activation and for connection of emergency call button 4 analogue inputs (for digital use as well)
Digital outputs	1 (0.7 Ampere max.)	4 (0.7 Ampere each)
Additional outputs	–	Buzzer-, Mute- und LED-Ausgang
Serial interfaces	1	2 (RS232)
Additional interfaces	–	1 NMEA-interface (RS232), Audio-interface for headset, Handsfree set, CAN (optional), internal connector for further add-ons

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