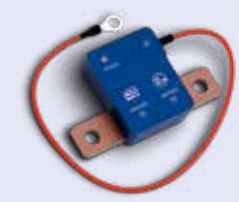




Product overview



	Smart Battery Sensor	Smart Battery Sensor Voltage
Voltmeter	✓	✓
Amperemeter	✓	-
Ambient temperature	✓	✓
Bluetooth®/WiFi	✓	✓
App	✓	✓
Autom. warning by email	✓	✓
ECE approval	✓	-
Public authority approval	DIN EN 50155	-

Accessories



	Negative battery terminal clip Negative terminal adapter SET	Front terminal adapter Negative battery terminal clip SET	Battery disconnecter Front negative terminal adapter SET
Application	mounts from above	mounts from the side	mounts from the side incl. disconnecter
Content	1x car battery terminal clip (negative) for 6V, 12V, 24V batteries 1x negative terminal with M8 x 35 mm screw	1x front terminal adapter for 6V, 12V, 24V batteries 1x negative terminal with M8 x 35 mm screw	1x car battery disconnecter, negative (flat terminal disconnecter) 1x front terminal adapter, negative 1x negative terminal

Data sheet

Input voltage	3.5–38 VDC
Continuous load	220A
Maximum load	1000A (for max. 5sec)
Voltage measuring range	4–36V (± 0.03V)
Current measuring range	± 40A (± 0.03A)
Temperature measuring range	-40 to +85°C (± 2°C)
Humidity measuring range	0–100% (± 2%)
Cloud access	yes
Adjustable warning limits	by app and via cloud
Autom. warning by email	yes/voltage warning
Bluetooth®	Bluetooth Low Energy® 4.2 (2.4GHz)
WiFi	802.11b/g/n (2.4GHz)
Bluetooth®/WiFi range	30–50m (outdoors)

Power consumption, standby mode	≤ 0.2mA
Avg. Bluetooth® power consumption	≤ 10mA
Avg. WiFi power consumption	≤ 25mA / 200mA (briefly)
WiFi transmission time interval/measuring cycles	adjustable between 5min...48h
Bluetooth® measuring interval	1x per second (1Hz)
Built-in battery	no
Overall dimensions (LxWxH)	51 x 85 x 18mm
Weight	70g
Hole size for measuring shunt	max. M8
Positive terminal connector	cable lug up to M8
Positive terminal cable data	d = 1.0mm², l = 50cm
Measuring shunt material	copper
Housing material	plastic (PA6), black
Temperature range	-40 to +85°C
Ingress protection	IP54

Smart Battery Sensor

Monitoring your batteries from afar

Use the Smart Battery Sensor to display the battery readings and to provide you with permanent control over your batteries to lengthen their useful life.

Monitoring of any of your emergency vehicles made easy by simply installing the Smart Battery Sensor between the negative battery terminal and chassis earth. Our innovative Smart Battery Sensor transfers all the relevant data to your smartphone or desktop PC in real time.

Functionality is topped by setting your personal warning limits.



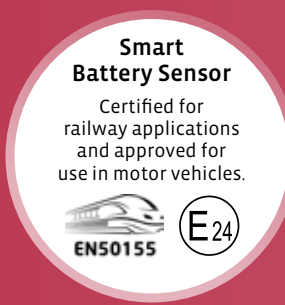
More about the Smart Battery Sensor
www.peitel.com/en/products/solutions/smart-battery-sensor

Overview

- Automatic limit warning by email
- WiFi cloud link for historical data
- Live data via Bluetooth®
- Measures currents up to 40A and voltages up to 35V
- 220A continuous load
- 1000A maximum load (for max. 5sec)
- Humidity and ambient temperature
- Supports 6V, 12V and 24V on-board electrical systems
- Data hosted in Germany

Ideal for

- Emergency vehicles
 - Rescue services
 - Fire brigade
 - Police cars/prisoner transport vehicles
- Solar parks
- Mobile phone base stations



From now on, your battery will send emails to you



Smart Battery Sensor

- Live battery status by email
- Remote access via cloud software
- WiFi and Bluetooth® connection

Errors and modifications reserved.

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
We ensure Communication



Innovative monitoring of batteries in emergency vehicles and industrial plants

Have your battery sending emails to you

The Smart Battery Sensor is reduced to the absolute minimum. Easy to install and to remove, intuitive operation. Measuring currents and voltages has never been easier as that.

High-quality materials and sturdy design for indoor and outdoor use – of course with ECE-certification.  Installation is easy and takes just a few minutes, no matter what type of battery (5–36V) you have.

Battery APP and cloud – intuitive and clear

Use Bluetooth® to connect the app to all your vehicles, solar installations and other devices to gain live monitoring insights.

Your WiFi network uploads historical data to the cloud where you are provided with convenient analysis options. Manage your personal profile and set limits as you need them to just monitor the batteries particularly known to be prone to failure.

Decide which of the parameters you wish to easily capture and analyse, be it current, voltage, temperature or humidity.

Battery Monitors are your central and general-purpose monitoring tool

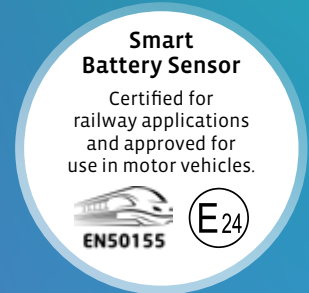
Your Smart Battery Sensor is the ideal tool for surveying the batteries of your passenger and other vehicles as well as your 6V, 12V, 24V and 36V battery systems on-site or from afar.



Smart Battery Sensor

Applications in authority vehicles and railcars are subject to specific requirements

Benefit from the remote monitoring options to check your entire fleet of fire brigade, police and disaster relief vehicles in the depot. Sovereign use at -40–85°C.



Installation variants

Battery:



top with terminal adapter



side with front terminal adapter



side with disconnecter

Easy installation in just a few steps

- Disconnect the negative terminal from the battery
- Connect the positive terminal (red) of the Smart Battery Sensor cable to the positive battery terminal
- Install any (optional) accessories
- Connect the Smart Battery Sensor to the negative battery terminal or the accessories
- Connect the earth wire to the Smart Battery Sensor
- Start smartphone/tablet installation procedure

Extensive set of accessories for ease of installation.



Earth:

Smart Battery Sensor Voltage

The quick-fit and removal voltmeter

Quick-fit terminals give you fast access to your first voltage readings, to the app for live monitoring and to the cloud for historical data trend analysis.

Note: Designed for permanent use in parked vehicles but not approved for operation on the road.

