

Road Surface Temperature Sensor RTS411SA



Road Surface Temperature Sensor RTS411SA is a stand-alone surface temperature sensor of Road Condition Monitor RCM411.

The sensor has been designed to be used with any vehicle to record surface temperature in real time and to report the data to the Mobile Surface Condition Map (<https://roadweather.online>).

The RTS411SA sensor can be easily installed by a magnet on metallic parts of the vehicle or by using an M8 bolt. Plugging into a cigarette lighter socket and starting the RCM Mobile cell phone application is all that is needed to start measuring the surface temperature. An internet connection is used for data communication, either by mobile data (operator SIM) or WLAN connection. If there is no communication coverage, the data will be transmitted, when the connection is re-established.

Features and benefits:

- mobile temperature measurement with an optical remote sensor
- high accuracy and resolution
- solid state design
 - no moving nor wearing parts
- easy installation
- output
 - serial RS-232 or Bluetooth
- power input 9-30 VDC
- data communication to a cell phone, PC or other systems
- photographs of the road surface taken manually, at preselected intervals and at preselected locations

