

Road Weather Monitoring Systems

Contactless or embedded sensor options



Overview

Campbell Scientific offer a range of road weather measurement solutions each fully customisable to meet the exact requirements of the customer.

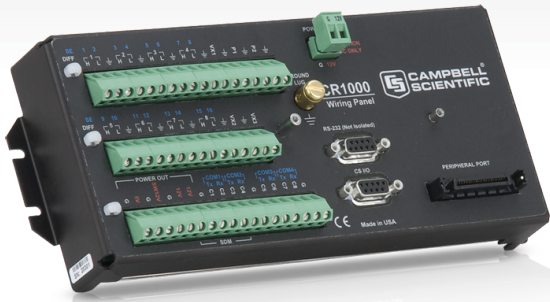
Stations feature either a contactless or embedded road state sensor and can include visibility and present weather capability as well as standard parameters such as wind speed/direction, temperature, RH,

rain detection, and barometric pressure. Day and night cameras can also be utilised.

Konect Global Data Service completes the package offering secure web access to station data and long term data archiving.

Benefits and Features

- » Contains a Campbell Scientific CR1000 Measurement and Control Datalogger
- » Provides a modular, programmable, and customizable system
- » Choice of contactless or embedded road surface state sensors
- » Factory fabrication, programming, and testing minimizes field wiring errors and reduces deployment time
- » Provides a battery backed system that allows data collection during power outages and network failure
- » Konect Global Data Service provides a simple way to collect, store and access your weather data over the internet.
- » Optional visibility and present weather capabilities.



Campbell Scientific Datalogger

A Campbell Scientific Datalogger performs the measurement and control function of the RWIS.

Data is processed and stored on-board awaiting collection.

Various communication methods are supported including fixed line PSTN and GSM/GPRS.

CS125 Present Weather Sensor

The CS125 Present Weather Sensor has been designed to meet the operational and budgetary requirements of a road weather system



Surface State Sensors

We offer a choice of remote, active embedded and passive embedded.

The remote device provides measurement of:

- Surface conditions such as wetness, ice, snow, or frost.
- Water film height.
- Ice percentage in water and determination of freeze temperature
- Friction

Plus fully integrated surface temperature measurement

(Note: Embedded sensors offer different measurement parameters)



Konect Global Data Service

Campbell's own data service will collect data from your station and provide you secure online access via any internet enabled device. Data can be viewed in tabular or graphical formats and can easily be shared with any authorised party.

Long term data archiving is also a feature of this service.

