

RoadWatchSS

Simply the Best Warning System on the Road

RoadWatch SS features the most technologically advanced early warning system in the industry. It uses passive infrared sensing technology to constantly measure and report actual road surface temperatures. Our new state-of-the-art system continuously monitors and displays air and road temperatures to a digital monitor mounted on the instrument panel. RoadWatch SS is designed to give drivers advance notice of potential road freezing before problems arise. In addition to an improved sensor, the new RoadWatch SS is easier to install or replace than our previous version.



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RoadWatch SS kit with Fahrenheit Display MSF8490262003

RoadWatch SS kit with Celsius Display MSF8490262002

RoadWatch SS Technical Specifications

Road Accuracy: ± 2 $\square\square\square\square\square\square$ $^{\circ}\text{F}$ (23 to 41 $^{\circ}\text{F}$ Ambient)
 ± 6 $^{\circ}\text{F}$ (-40 to 23 $^{\circ}\text{F}$, 41 to 131 $^{\circ}\text{F}$ Ambient)
 Air Accuracy: ± 2 $^{\circ}\text{F}$ (-40 to 131 $^{\circ}\text{F}$)
 Repeatability: ± 2 $^{\circ}\text{F}$
 Emissivity: Factory calibrated at 0.96
 Field of View Angle: 15 $^{\circ}$
 Operating Voltage: nominal 12 VDC (vehicle power)
 Current Requirement: 0.05 Amp

System Operating Temperature Range: -40 $^{\circ}\text{F}$ to +150 $^{\circ}\text{F}$
 Sensor Sample Rate: 10 samples per second
 Display Response Time: 1/2 second,
 Immediate peak response
 Weight: Sensor, 11 oz., Display, 3 oz.
 Vibration: 4 g's two axis, Sensor and Display
 Relative Humidity: 95% Non-condensing
 Shock: 100 g's I/R sensor element

RoadWatch SS Temperature Measuring System uses state-of-the-art infrared sensing assuring accurate, real-time road surface temperature information critical to proper deployment of anti-icing and de-icing materials, as well as an alert of existing hazardous conditions for driver safety.

This product was initially developed to assist highway and public works departments to determine when and where to apply road treatment chemicals. Safety concerns by drivers of all types of vehicles have generated an interest in early warning detection of road surface conditions.

Typical applications include Department of Transportation vehicles (local, state, and federal municipalities), Airport runway maintenance, Heavy Truck fleets, OTR Truck owner/operators, Recreational Vehicles, pickup trucks, vans, SUV's and passenger cars. Optional extension cable lengths and various mounting features now make it possible to install RoadWatch SS on any vehicle. Application engineers at M.S. Foster & Associates are available to assist you when specifying and properly installing equipment on your specific vehicle.

Typical Installation and Optional Accessories



Gauge Cup #MSF9925



RoadWatch Field Calibration Unit #MSF849100000