

# VX 21 Wireless Pavement Sensor

## HIGHWAY INFORMATION SYSTEMS



### MEASURES ROAD SURFACE TEMPERATURE WHILE DETECTING THE PRESENCE OF MOISTURE.

The VX21 Wireless Pavement Sensor from MH Corbin is a fully sealed and potted device used to measure the true road surface and subgrade temperatures. The sensor can also detect the presence of moisture and road salt on the roadway and is fully compatible with MH Corbin HARWIS Stations.

The VX21 Sensor can be used as an add-on sensor in your existing RWIS / HARWIS stations or deployed as an independent system that can be installed almost anywhere.

The stand-alone VX21 Sensor System consists of up to nine the VX21 Sensors, an enclosure, solar power package, VXMS radio module, cellular modem and a sealed battery.

The data is transmitted and viewed using easy-to-use web-based software from any internet ready device.

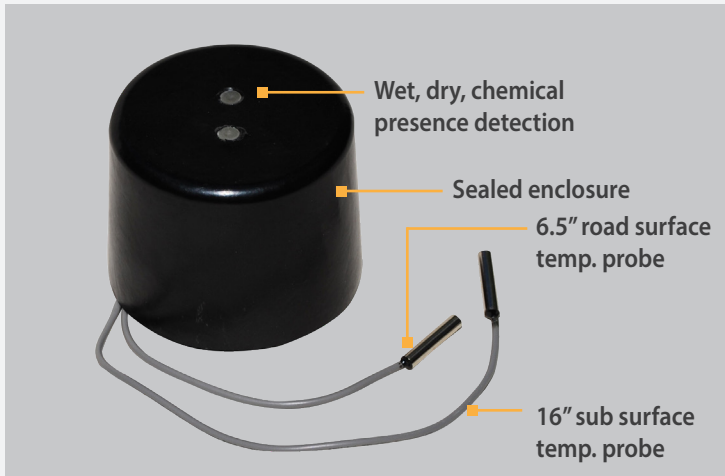
### MODEL

- VX21-1 Road Surface Temperature Sensor
- VX21-2 Road & Sub Surface Temperature Sensor



VX21-2 Road & Sub Surface Temperature Sensor shown.

# Highway Advisory Radio with Road Weather Information



- Accurately measures road surface temperature, wet/dry, sub surface temperature, anti-icing chemical presence
- 5 -7 year battery life
- Sealed and potted design eliminates water intrusion
- Up to 600' communication distance
- Can be used as an add-on sensor for RWIS system or installed as a stand-alone system
- Solar powered stand alone system

## TECHNICAL DATA AT-A-GLANCE

Technical Data		Road Surface Temperature	
Dimensions	102 x 73 mm / 4 x 2.875 in	Principle	Digital/Microcontroller
Conditions Measured	Wet/Dry /Chemical	Measuring Range	-55° - 125° C / -67° - 257° F
Interface / Communications	915MHz RF	Accuracy	±0.5° C / ±0.9° F
Power Source	3.7VDC 38Ahr Battery Pack	Resolution	12 bit
Operating Temperature	-40°C to +80°C / (-40°F to +176°F)		
Operating Humidity Range	0...100% RH		

### Sub Surface Temperature (VX 21-2 Only)

Principle	Digital/Microcontroller
Measuring Range	-55° - 125° C / -67° - 257° F
Accuracy	±0.5° C / ±0.9° F
Resolution	12 bit

Distributed by:

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General details for this product are subject to change without notice to reflect improvements and upgrades. MH Corbin, LLC warrants this product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of purchase.

Additional information is available at [www.mhcorbin.com](http://www.mhcorbin.com). ©2016 MH Corbin, LLC

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