



Overview

ZRS Non-Invasive Road Sensor is designed to monitor traffic and road surface status, which uses remote sensing technology, to avoid damage to the road. Multi-spectral measurement technology makes it possible to accurately detect the road surface ice, snow and water thickness.

Application

Airport Pavement Monitoring
Highway Meteo Measure System
Smart City Project

Advantage

Maintenance-free
Non-contact, long life
Can be used for mobile monitoring
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Diversity of power supply
Wireless communication

Parameter

Measuring Range	2-15M
Angle	30-90°
Power Input	DC12/24V Solar
Maximum Power Consumption	2W
Pavement State Output	Water: 0 - 2mm Ice: 0 - 2mm Snow: 0 - 10mm Slippery degree: 0.00 - 1
Accuracy	0.01mm
Interface	RS485/Wifi/LTE/BT/Lora