

Moisture Sensor for Road Surface Detection

Road Surface Detection

Features :

- ▶ Noncontact Sensing

Available sensing road condition from Max. 5m height

- ▶ Compact Size & LED Light Source

7cm x 7cm x 3.5cm

- ▶ Detecting 4 conditions

Available to detect 4 conditions of road surface
(Dry, Wet, Snow, Ice)

Road Surface Detection by Moisture Sensor



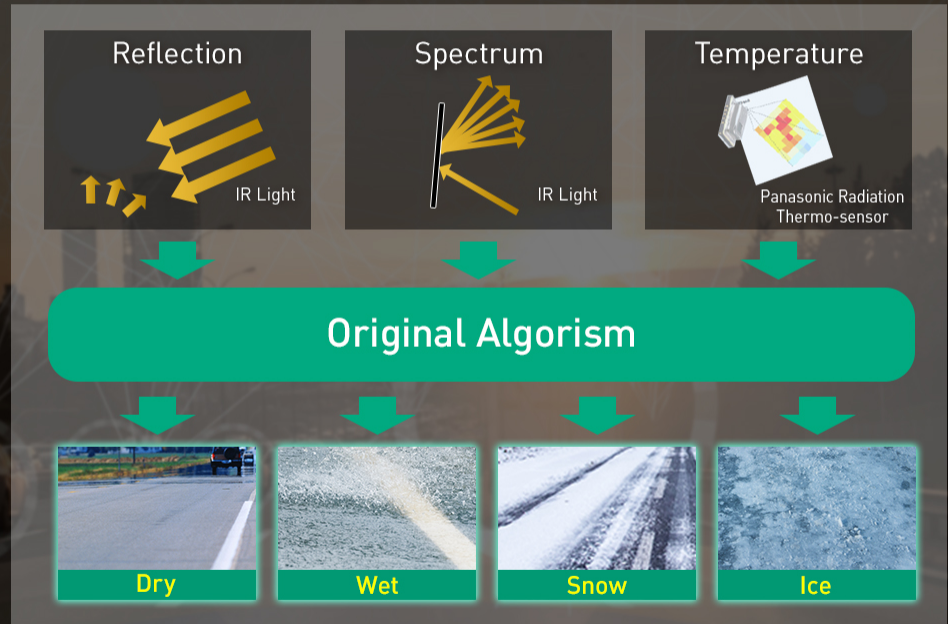
Moisture Sensor for Road Surface Detection

Road Surface Detection

Technical Advantages :

- ▶ **High Precision Sensing**
Road surface moisture detection by own infrared analysis technology
- ▶ **Easy Installation**
Noncontact road temperature measuring by far-infrared
- ▶ **High Noise Immunity**
Head light, Sun light etc.

Available sensing 4 conditions of road surface



Moisture Sensor for Road Surface Detection

Road Surface Detection

Applications : With System MCU, WAN and Cloud System

▶ For Road Condition Map

To secure drivers safety
To avoid danger road

▶ For Allocation of Car

Optimized to allocate snowplow etc.

▶ For Autonomous Driving

Tunnel, Bridge , Intersection etc.

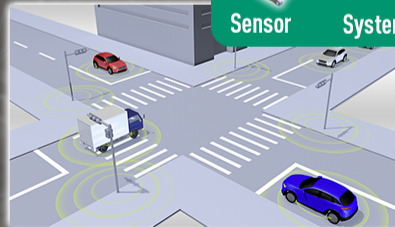
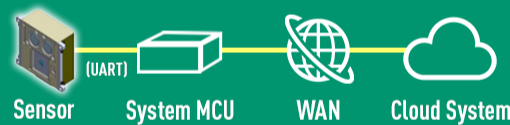
Road Condition Map



Allocation of Car



Example of Sensor Application System



Autonomous Driving



Road Flood

