

## Vaisala Mobile Detector MD30

### Real-time road conditions anywhere on your network



### Key Benefits

#### Real-time data

Vaisala MD30 eliminates guesswork on changing weather conditions by transforming snow plows into weather stations and providing real-time data to supervisors and drivers alike.

#### Built tough

Designed and molded to withstand heavy vibration and prevent water ingress, MD30 is suitable for use on snow plows and other vehicles. The patent-pending hood protects the lens from snow and road spray and easily removes for cleaning.

#### Go beyond surface temperature

MD30 transmits real-time data on grip and road state, layer thicknesses of water/ice/snow, road and air temperature, relative humidity, and dew point.

#### Simple and affordable

Compact size enables easy installation with many options, and the affordability enables wide-scale fleet deployments.

**The Vaisala Mobile Detector MD30 is the first device designed specifically for snow plows to accurately collect and transmit data on road surface state, grip, and surface temperature along its route.**

Enhanced decision-making drives optimal material usage and resource deployments, resulting in cost savings and decreased environmental impact.

Data integration through the MD30 can be automated with the start of the vehicle, allowing for ease of collection and the ability for drivers to concentrate on the road.

## Vaisala MD30 at a glance



### Key features

**Vaisala's experience** in industry-leading weather measurement

**Optional data visualization** leverages live data and imagery to support treatment actions — data can be viewed in vehicle or remotely depending on setup options

**Works well** as a standalone sensor or to help fill in data between stationary weather stations

### Why Vaisala?

Vaisala's weather and environmental instruments are trusted by numerous agencies including the National Weather Service. The MD30 is the next level in road maintenance for municipalities and agencies looking to save on road treatments, position staff efficiently, maximize technology in a cost-effective way, and deliver safe roads for your community.

### Real-time answers to challenging questions

#### For winter road maintenance supervisors

- What's happening between my weather stations?
- How can I best drive my pavement forecast?
- Are we using too much, too little, or the proper amount of amount and type of material?
- Are the trucks where they should be, clearing the most impacted and important routes first?
- Are any operational adjustments necessary due to quickly changing conditions?

#### For plow operators

- Is there black ice on this road?
- Is that glare, water, or ice?
- Is the road a little moist or just darker?
- Is the pavement temperature falling and do I need to treat the road to prevent a potential icy situation?
- Should I be applying more or less material?
- What's left on the road after my blade has passed?

# VAISALA

[www.vaisala.com/MD30](http://www.vaisala.com/MD30)



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