

# r-condition





## Efficient non-invasive sensor for road surface monitoring

The Boschung r-condition provides in a single device all necessary measurements for the monitoring of road and runway surface conditions in distance. It measures the road temperature, detects the presence of water, snow and ice formation and provides the surface conditions in various states. In addition, it measures the water film thickness and calculates the road friction coefficient.

It applies the most advanced technologies like optical backscattering. With a large observed area on the pavement, the device provides an

accurate indication of the surface conditions, delivering reliable and useful information to winter maintenance operators.

The r-condition is used as element of a road weather station, such as Boschung's RCM500-NT. It can also be incorporated in airport systems for safety monitoring of apron areas.

Thanks to the presence of open protocols, the r-condition can be integrated into any third-party weather systems.

- Only one device for all pavement data (surface condition, temperature, water thickness, grip)
- Reduction of maintenance thanks to heating system
- Low power consumption
- Lightweight and robust equipment
- Easy installation without work on the pavement
- Open protocol for integration into third-party systems



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The Boschung logo consists of the word 'boschung' in a bold, black, sans-serif font, with a horizontal line underneath the letters.

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