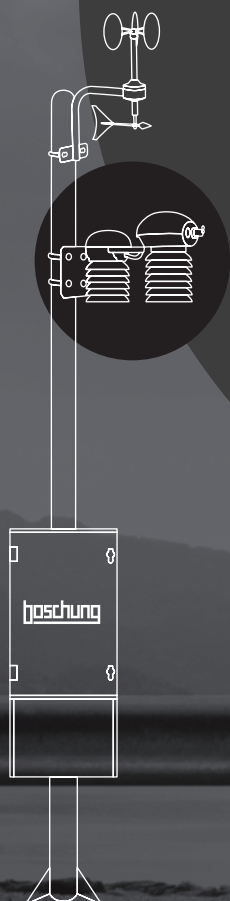


r-weather





All-in-one visibility, present weather and atmospheric sensor

The Boschung r-weather is a compact atmospheric sensor combining the measuring functionalities of the most important weather parameters in one unique enclosure.

Making use of the most advanced technologies, such as optical backscattered techniques for analyzing particles, the instrument provides very accurate measurements.

All-in-one combination...

The r-weather provides most of the present weather and visibility parameters needed for a comprehensive analysis of the atmospheric conditions.

- Visibility
- Precipitation type
- Precipitation intensity
- Precipitation quantity
- Air temperature
- Relative humidity
- Dew point / frost point
- Barometric pressure
- Wind speed
- Wind direction

... and modularity

While combining an unequaled number of measurements, the Boschung r-weather enables you to select the parameters that are right for you.

Maintenance-free device

Self-cleaning concept – The spider web issue on road weather sensors is over!

Thanks to a compressor integrated in the back part of the instrument, the optical parts can be automatically cleaned by pressurized air in a very cost-effective way. Executed with predefined time intervals or after detection of debris, this cleaning process makes sure that insects, dust, water or snowflakes are kept off the optics.

Lens heating system – Low maintenance and long-term reliability

Lenses present a superb dirt resistance. For winter environments, a heating system is available. This avoids the creation of ice and moisture on the lenses.

Ease of installation and operations

The r-weather is a very compact instrument. Having standard assembly handles, it can be easily mounted on a mast.

The use of only one cable from the data processing unit for the complete system also reduces the installation effort, even if a separated wind speed/direction sensor is integrated.

Thanks to its compact design and simplified measurement procedures, the instrument needs very low power supply, much less than the sum of several sensors. This enables the application of solar panels on far locations, where having electricity lines is difficult or even not possible.

Applications in weather information systems

The r-weather is an atmospheric sensor that is used as element of a road or runway weather station, such as Boschung's GFS3000 and RCM500-NT. Replacing the standard atmospheric sensors, it makes Boschung's stations belong to the most accurate, reliable and affordable weather stations.

Besides a use with Boschung's weather stations, the r-weather can be integrated into any weather systems, making use of the common RS232 and RS485 interfaces, as well as open protocols.



Combined wind sensor

mechanical



ultrasonic



DV.051154-A_(E)

Your new all-in-one sensor **r-weather**



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