Precipitation -systems

R2S - Present Weather Sensor

The drop speed is captured with a 24 GHz-Doppler radar. The precipitation quantity and intensity is calculated from the correlation between drop size and speed. The type of precipitation (rain/snow) is detected from the difference in drop speed.

Resolution up to 0.01 mm, maintenance-free.

Maintenance-free
Fast response time
Differentiates between rain and snow
Resolution 0.01 mm

Technical data	Ref.No.
Radar Precipitation	8367.01
Heating power / 24V	30VA
Heating voltage	24V
Measuring range drop size	0.5...5mm
Operating humidity range	0...100%
Operating temperature range	-30...70°C
Power consumption	100mA
Power supply	10...15V
Reproducibility	typical >90%
Resolution	0.01...0.1...1.0mm/m ^{2}
Accessories	**Ref.No.**
Power supply for heated probes	8161.SV4
Shield R2S	8367.SCHIRM
Interface connector RS485-RS232	8410.KON

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