The radar precipitation sensor Lufft R2S-UMB allows fast measurement of precipitation intensity and distinguishs between precipitation type (Rain, snow, sleet, freezing rain, hail). The operation is maintenance-free, thanks to radar measurement technology

- **Parameters measured**
  Rain/precipitation quantity, rain/precipitation type (Rain, snow, sleet, freezing rain, hail)

- **Measurement technology**
  24GHz Doppler radar

- **Product highlights**
  Very fast response time, maintenance-free measurement, present weather detection

- **Interfaces**
  RS-485, various RS-485-protocols

- **Article number**
  8367.U01

The speed rate of drops is registered with a 24 GHz doppler radar system. By comparison between the speed rate and the size of drops, the quantity of rain or its intensity will be registered. The road condition (rain/snow/snow-covered rain/freezing rain/hail) is determined thanks to the speed rate of the rain. Resolution up to 0.01mm, without maintenance.

IMPORTANT: Precipitation Sensor R2S-UMB is discontinued

Please check the alternative: WS100

General	
Resolution liquid precipitation	0.01...0.1...1.0mm/m^2
Power supply	4...32 VDC
Power consumption without heating	2VA
Heater power	30VA
Operating temperature range	-40...60°C
Operating humidity range	0...100%
Protection type	IP66
Interface	RS485 semiduplex wire, UMB protocol, pulse and frequency interface
Cable length	10m
Type of precipitation	Rain, snow, sleet, freezing rain, hail
Measuring range hail	5.1...ca. 30mm

Precipitation	
Principle	Doppler-radar
Reproducibility	Typical >90%
Measuring range drop size	0.3...5mm