

[ott.com](#) > [Products](#)

OTT Parsivel² - Laser Weather Sensor

[SHARE ▾](#) [PRINT](#)

Laser precipitation disdrometer measuring all precipitation types



The OTT Parsivel² is a modern laser disdrometer for comprehensive measurement of all precipitation types. The Parsivel² captures both the size and speed of falling particles, classifying them into one of 32 separate size and velocity classes. The raw data are used to calculate the type, amount, intensity and kinetic energy of the precipitation, the visibility in the precipitation, and the equivalent radar reflectivity

Parameters measured: Precipitation type, intensity, drop size distribution, radar reflectivity

Measurement technology: Laser optical

Product Highlights: Simultaneous measurement of 32 classes for particle sizes and velocities

Interface: SDI-12 / RS-485, pulse

[Request a quote or advice](#)



[Advantages](#)

[Example of Use](#)

[Resources](#)

[Technical Data](#)

- Accurate – the exact size and speed of every precipitation particle that passes in the measurement area is recorded and from these measurements all relevant meteorological parameters are derived
- Maintenance-free – no moving parts or a collection bucket, unlike tipping bucket rain gauges

- Durable – continuous and precise precipitation data in all environmental conditions with integrated overvoltage protection
- Energy-efficient – economical electronics and galvanically separate, controllable head heating, providing a power supply that is flexibly designed with minimal power consumption
- Easy-to-use – integrated USB port configuration and online monitoring for simple PC data review with OTT ASDO user software

[Back](#)

