



Overview

ZDM100 Disdrometer is a laser instrument that measures the drop size distribution falling hydrometeors. It can also monitor rainfall types, visibility, radar reflectivity and other parameters. It is widely used in the field of hydrometeorology.

Application

- Assessment of weather modification efficiency
- Observation of Raindrop Spectrum and Fog
- Measurement of Precipitation and Fog
- ZR Factor Calibration of Rainfall Radar
- Scientific Research on Precipitation Process
- Soil and Water Loss and Soil Conservation

Advantage

- No moving parts, Maintenance-free
- Long life, low power consumption
- Wide range voltage supply 9~15V DC
- Various installation bases
- Protocols support SDI12/MODBUS/Ascii

Parameter

Detection Area	>60cm ²
Rainfall Rate	0.1-22 m/s
Precipitation Type/Code	Drizzle, rain, snow, sleet, hail, etc.,
Precipitation Intensity	0.001-1000 mm/h
Precipitation Accuracy	±5% (liquid precipitation), ±20% (solid precipitation)
Particle Size	0.125-26mm
Rainfall Visibility	10-5000m ±5%
Radar Reflectivity	-9.9-99dBz, ±15%
Store	10 days data
Interface	RS232 / RS485