



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