

# IN102

## AirPhoton Size Scanning Nephelometer

The IN102 nephelometer is a highly accurate instrument built to rugged standards that allows for field deployment under a wide range of conditions. Using a cyclone inlet and our feedback flow control system, it can collect and analyze particles in multiple size ranges between PM2.5 and PM10 making this especially useful for air quality studies.



### Capabilities

- Forward and Back Scatter measurements
- Three wavelengths
- High Speed fan
- Feedback Flow control system
- Multiple Size bins

### Suggested use

High precision measurements for various size cut-offs under all conditions for air quality and health and climate applications.

### Specifications

- Dimensions: 9" x 10" x 24"
- Mass: 6.8 Kg
- Operating temperature: -30 to +45oC
- Wavelengths: 450, 532, and 632 nm
- Angular range: 7 to 90o ; 90 to 170o
- Full scattering = forward + back scattering
- Standard range: 0.0-3,000Mm-1
- Extended range: 20,000Mm-1 (upon request)
- Lower detectable limit:
  - <0.15 Mm-1 (at 60 sec AVG)
  - < 0.06 Mm-1 for Backscattering (60 sec AVG)
- Clean air reference option provides automatic zero for span calibration
- Data Interfaces: 4GB
- SD card, RS485 (optional)



Scan for more information



### Australian Sales and Support.

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