

Intelligent Traffic Solutions

Visibility Sensor METEOS 151

ORT/SD-METEOS 151



ortana

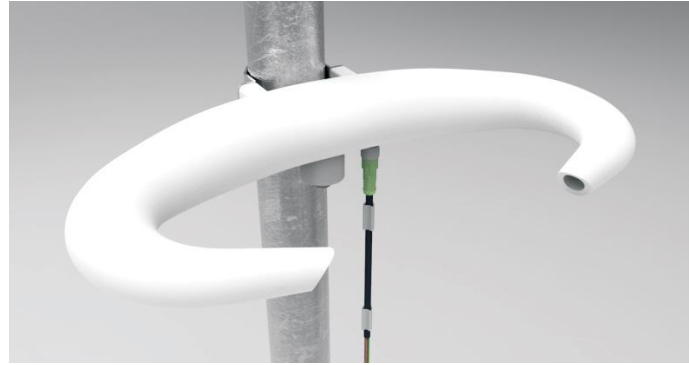
Intelligent Traffic Solutions

Sensor METEOS 151

ORT/SD-METEOS 151

Ortana Visibility sensor measures atmospheric visibility by determining the amount of light scattered by different particles (smoke, dust, haze, fog, rain or snow) in the air that pass through the optical sample volume.

- Especially built for Traffic Applications
- Ideal for long distance road visibility data collection
- Accurate and traceable measurement
- High mechanical strength
- Low maintenance requirement
- Compact Design
- Simple Installation and Maintenance
- Measures visibility up to 3000 meters
- Internal Relative humidity, Absolute humidity, Dew point and Temperature measurement
- RS485 Communication Interface
- Calibration device available (optional)



General Information

Interface	: RS485 Semi-Duplex Wire
Dimension	: 380 (w) x 80 (h) x 260 (d) mm
Protection Class	: IP65
Housing Material	: Polycarbonate & Aluminum
Power Supply	: 24VDC \pm 10% < 5VA (heater is off) 24VDC \pm 10% < 30VA (heater is on)
Weight	: 0.65 kg (without cable), 1.1 kg (with cable)
Temperature Range	: -40°C to +70°C
Operating Humidity	: 0 % RH to 100 % RH
Resolution	: 0.001

Technical Specifications

Visibility Sensor Specifications

Principle	: Forward Scattered Light Procedure
Emission Angle	: 15°
Collection Angle	: 15°
Unit	: Meter, Feet, Kilometer and Miles
Accuracy	: ±10 m or ±10 %
Detection Time	: 100 ms
Measurement Time Range	: 1-10 minutes (at the detection cycle frequency, measurement can be given)
Measurement Range	: 10 meters to 3000 meters
Heating Power	: 25 VA

Accessories

10 meters Connection Cable (included)