



GRX Online Retroreflectivity Sensor

Specifications

Online monitoring of retroreflectivity on a production line.

Optical specifications

Measurement aperture: $\varnothing 25$ mm / 1 inch

Observation angles: 0.2°, 0.33°, 0.5°, 0.7°, 1.0°, 1.5°, 2.0°

Entrance angle: -4° (when mounted orthogonal to the web +5° optional). Can be tilted to obtain any entrance angle.

Distance from sensor to web: 0 - 200 mm / 0 - 7.9 inch

Range: 0 - 2000 cd-lx⁻¹·m⁻²

Calibration: User-supplied calibrated standard

Instrument dimensions

Length: 270 mm / 10.6 in

Width: 112 mm / 4.4 in

Height: 165 mm / 6.5 in

Weight: 2,5 kg / 5.5 lbs



Construction

Housing: Aluminum

Structural parts: Aluminum

Connection

Power: Power over Ethernet

Power consumption: < 10 W

Data connection: Ethernet 10/100

Environmental specification

Temperature:

- Operating: 0 - +40°C / +32 - +104°F
- Storage: -10 - +60°C / +14 - +140°F

Relative humidity: < 85%, non-condensing

Timing

Measurement time (variable): 0.2 - 2 seconds / 5Hz - 0.5 Hz

Standards

ASTM: E1709 & E2540

DIN: 67520 & EN12899-1

FCC: Part 15 subpart B, Class A

Electrical safety: IEC 61010-1



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