



# VERTICAL

## Retroreflectorometer

ASTM E1709	0.2°
ASTM E2540	0.5°
EN 12899-1	0.2°, 0.33°, 2.0°
ISO 20471	0.2°, 0.33°, 1.0°, 1.5°
ECE 104	0.33°

**The MINI Vertical** is an up to four angle retroreflectorometer designed to accurately measure the retroreflection  $R_A$  of road signs, safety clothing and other materials.

**The innovative optical system can measure up to 4 (four) simultaneous observation angles. The entrance angle ( $\beta$ ) can be fixed ( $-4^\circ / +5^\circ$ ) or it can be continuously adjusted by the operator.**

The combination of adjustable entrance angle with the exclusive quadruple simultaneous observation angles allows precise determination of retroreflection according to all international standards.

## Dimensions and Weight

Length	255 mm
Width	155 mm
Height	170 mm
Weight	2.0 kg (with battery)
Carrying case	470 x 380 x 240 mm

## Electrical

Battery	Standard rechargeable - AA size (6 units)
Charger	Automatic 100-240 V full range
Data memory	SD Card (4 GB minimum) (> 1 000 000 data points)
Display	Color transfective, touch screen
Interface	USB, serial and Bluetooth (optional)
Operating	-10°C to 50°C
Light source	LED light (maintenance free)