

Handheld Retroreflectometer is a portable testing equipment used to measure the retroreflective optical characteristics of various reflective safety materials. It is suitable for various road traffic reflective products, vehicle safety reflective products, safety production signs, on-site inspection and inspection of reflective cloth, etc. There are two models of single-angle and multi-angle retroreflectometers available.

FEATURES

- ⊙ Advanced optical measurement system.
- ⊙ Anti-scratch full metal shell.
- ⊙ Magnetic calibration method, more convenient.
- ⊙ Support the measurement of retroreflective coefficient at up to 12 angles (multi-angle model only).
- ⊙ 4.3-inch high-brightness LCD capacitive touch screen displays.
- ⊙ Parameters can be preset to display system information such as date, time, testing location, testing organization, license plate/road name, testing personnel, etc.
- ⊙ Support real-time display of on-site temperature and humidity.
- ⊙ Using the soft keyboard to input Chinese, English and characters to store inspection records and inquire in detail at any time.
- ⊙ Automatically verify zero setting and adjust measurement standards.
- ⊙ Support multiple measurements to calculate the average.
- ⊙ Support smart standby management and the system automatically enters sleep state when there is no operation.
- ⊙ Low illumination, high sensitivity photoelectric measuring device assembly.
- ⊙ High-precision, high-stability analog data acquisition and A/D conversion circuit.
- ⊙ Low power consumption, high reliability main control unit and computing system.



Muti-Angle Retroreflectometer AT-MAR-932



Single angle Retroreflectometer AT-SR-006



SPECIFICATION

Model	Single angle Retroreflectometer AT-SR-006	Multi-Angle Retroreflectometer AT-MAR-932
Measurement items	The coefficient of retroreflection lx/m-2	The coefficient of retroreflection cd/lx /m ²
Measuring value range	0-1999.9	0-1999.9
Observation angle	0.2°	-4°, 5°, 15°, 30° (standard configuration)
Illumination angle	-4°	0.2°, 0.5°, 1°
Measuring light source	Standard illuminant A	Standard illuminant A
Measuring spot diameter	32mm	35mm
Repeatability	≤2%	≤2%
Reproducibility	≤3%	≤5%
Data storage space	8GB	16GB
Standby measurement time	>8h	>12h
Built-in power supply capacity	3500mA.h	7000mA.h
Charging power supply	DC 8.4V	DC 8.4V
Working temperature	-5℃ -50℃	-5℃ -60℃
Working humidity	<98%, no frost	<95%, no condensation
Dimensions	220×250×80mm (L×H×W)	220×250×82mm (L×H×W)
Weight	1.7kg	<2kg