

RETROREFLECTOMETERS FOR ROAD MARKINGS TP-RLQD001

It is a portable field measuring instrument, which can simulate the road marking brightness visible to the driver under the headlamp illumination of motor vehicle at night. It is used to measure the retroreflection characteristics of road markings. The measured parameter is the luminous retroreflection coefficient at night, i.e. RL value, in $\text{mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$. Road marking manufacturers, road marking process construction units and road quality supervision units use it to measure the retroreflective performance of road markings.



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FEATURES

- Support rapid measurement (Measure the value of the retroreflection coefficient within 3 seconds);
- Support simple calibration procedure;
- Large battery capacity, super long standby, quick charging;
- Support high brightness LCD transparent touch screen and the operative interface can be seen clearly under illumination;
- Support multiple measurements to calculate the average;
- Support storing more than 99,999 test data information, including, measurement data, operator, road section information and testing time, etc.;
- Support 8G SD card data storage and support data storage in Excel format, and the data can be exported to the computer through U disk;
- Support real-time broadcast of measured data;
- Support locking on-site detection data and directly print out testing results on site through the printer (optional);
- Can enter Chinese, English and characters with touch buttonboard;
- Support real-time display of on-site temperature and humidity;
- Support smart standby management and the system automatically enters sleep state when there is no operation;
- Portable, small and light;
- Under the same on-site measurement environment, support one-off calibration of all colors before testing without respectively calibrating different colors each time.



TECHNICAL SPECIFICATIONS

Measurement items	Retroreflection coefficient $\text{mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$
Measurement range	0~4000 (RL), 0~400(QD)
Observation angle	1.05°
Angle of incidence	88.76°, complementary angle 1.24°
Light source color temperature	2856±50K
Measuring aperture area	340mm x 95mm
Error of repeatability measurement	≤3%
Continuous working time of battery	>72h
Data storage space	16GB
Built-in battery capacity	13Ah
Charger	DC 8.4V
Ambient temperature	-15℃~+60℃
Ambient humidity	<98%, no frost
Dimensions	700mm x 135mm x 115mm

