

## Retroreflectometer for Road Marking with RL & Qd Value

Model: TBTRMR-1J



### ➤ Introduction

TBTRMR-1J is a portable on-site instrument which simulate the brightness of road and airport marking that can be seen by the driver under the illumination of motor vehicles, and determine the retroreflection characteristic. It supports simultaneously measure index of day visibility(Qd), night visibility(RL), temperature and humidity efficiently.

### ➤ Feature

1. Equip with imported sensor;
2. Touch screen real-time display temperature and humidity;
3. Ultrafast retroreflectometer measurement;
4. Real-time broadcasting of test data;
5. USB port for test data exporting to computer;
6. Mini Bluetooth printer;
7. GPS for longitude and latitude for each test data;
8. English, Spanish and Russian language software are available.

## ➤ Referring Standard

EN 1436(RL & Qd), ASTM E1710(RL), ASTM E2177(RL wet), ASTM E2302(Qd)

## ➤ Technical Specification

Measurement items	Retroreflective coefficient ( $\text{mcd}\cdot\text{m}^{-2}\cdot\text{lx}^{-1}$ )
Measurement range	Qd( $\text{mcd}\cdot\text{m}^{-2}\cdot\text{lx}^{-1}$ ): 0~400; RL( $\text{mcd}\cdot\text{m}^{-2}\cdot\text{lx}^{-1}$ ): 0~4000
Equivalent observations distance	30m
Measurement area	200X95mm
Illumination angle Qd	Diffuse
Illumination angle RL	ASTM E1710: 88.76° EN 1436: 1.24°
Observation angle RL	ASTM E1710: 1.05° EN 1436: 2.29°
Light source color temperature	2856±50K(CIE A light source)
Error of repeatable measurement	≤2%
Continuous working time of battery	> 30h
Data storage space	2GB, more than 100,000 data
Screen	5 inch colorful touch screen
Built-in battery capacity	12V / 5.2Ah
Charger	DC 15V
Ambient temperature	-15°C~+60°C
Ambient humidity	< 98%, no frost
Size	Around 705x140x140mm
Weight	Around 5KG