



We help ideas meet the real world

LTL-XL

Specifications



Optical specifications

| | |
|-------------------------------------|--------------------|
| Field of measurement: | |
| - Width: | 50 mm / 1.97 inch |
| - Height: | 185 mm / 7.28 inch |
| Illumination angle to road: | 1.24° |
| Observation angle to road: | 2.29° |
| Illumination angular spread: | |
| Horizontal: | 0.33° |
| Vertical: | 0.17° |
| Observation angular spread: | ±0.17° |
| Equivalent observations distance: | 30 m |
| R _L range (mcd·m-2·lx-1) | 0-2000 |
| Q _d range (mcd·m-2·lx-1) | 0-318 |

Instrument dimensions

| | |
|---------|---------------------|
| Length: | 573 mm / 22.56 inch |
| Width: | 222 mm / 8.74 inch |
| Height: | 538 mm / 21.18 inch |
| Weight: | 7 Kg / 15.5 lbs |

Compliance

| | |
|--------------|--------------------------------------------------------------------------------------------------|
| EMC: | EN 61326 : 2007 |
| Low voltage: | Not applicable, battery driven |
| ROHS: | Compliance to the requirement of and its exception. Directive 2002/95/EC; 2002/96/EC Annex 1A |

Electrical characteristics

| | |
|----------------------|----------------------|
| Power supply: | NiMH |
| Data memory: | 200,000 measurements |
| Interface to PC/PDA: | USB |

Environmental specification

| | |
|--------------|-------------------------------|
| Temperature: | |
| - Operating | 0°C to +45°C / 32°F to 113°F |
| - Storage* | -15°C to +55°C / 5°F to 131°F |
| Humidity: | non condensing |

Timing

| | |
|---------------------------|------------------------------------------------------------------|
| Measurement time: | R _L 1 sec. / R _L + Q _d : 3 sec. |
| Time between measurement: | 1 sec. |

Standards

EN 1436
ASTM E-1710

Features

- Night and daytime visibility measurement
- Ergonomic and easy-to-use lightweight design that reduces operator fatigue and discomfort by allowing single-handed operation and single touch controls
- Air humidity and temperature measurement
- Single hand operated and user-friendly
- Newest technology with smart and upgradable features
- Safeguarded for the future with seamless connection to any system running, such as PCs and PDAs
- Long lifetime due to solid state technology
- Measures plain texture and profiled markings up to 5 mm
- Measures both dry and wet markings
- Measurement statistics
- ID functions (road, operator, line type, colour)
- Multilingual
- Data storage and communication
- RSC software for PC downloads
- Stray light compensated

Standard delivery

LTL-XL Retrometer
RSC - software for download and report generation
Calibration standard
Battery charger
Quick guide
Carrying case on wheels
User manual on CD/DVD

Options

GPS precision
Telescopic handle
Wheels
Printer
12V car battery charger