

## Company Information

Mirolux Products, Inc. is a family owned business that has been manufacturing pavement marking retroreflectometers for over 25 years. We are pleased to offer the Ultra 922, which allows our customers to measure retroreflectivity of signs and other retroreflective materials.

When available, we offer instrument rental and pre-owned instruments for purchase. We also service all our instruments.

Our client list includes domestic and international government agencies, contractors and consultants.

### ***Partial Client List:***

State of Florida  
State of North Carolina  
Pathmark Traffic Products of Texas  
Potters Industries (Brazil)  
Ecopsa (Chile)  
Dutech Scientific (Malaysia)  
Becha SA (Argentina)  
Maryland DOT  
Washington Dulles Int. Airport  
Ingelog (Chile)  
GeoControl Cia Ltda (Ecuador)

**MADE IN THE U.S.A.**

**1 YEAR WARRANTY**

*We accept the following credit cards*



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**Draper, UT 84020**

***Safety Through Vision®***

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 **Made in USA**

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## **Mirolux Ultra 922 Sign Retroreflectometer**



***Mirolux Ultra 922***

***Safety Through Vision®***

 **Made in USA**

## Mirolux Ultra 922 Retroreflectometer

Mirolux Products, Inc. is pleased to present the Mirolux Ultra 922 Sign Retroreflectometer. The Mirolux Ultra 922 is a handheld sign retroreflectometer designed for use in the field. It is designed to measure the retroreflection of road signs and other materials.

The patented design enables you to know with the press of a button exactly how bright your sign will appear to most drivers. The annular geometry means you will not have to take an average of 2 measurements with prismatic-type materials further simplifying the measurement process. A European version is available with a standard 0.33 degree observation angle and +5 degree entrance angle.

The Model 922 comes standard with an internal global positioning system (GPS), Bluetooth, and an internal barcode reader. The internal memory has the capacity to store more than 4500 measurements. Uploading the data to a computer is easy with the USB interface. In addition to offering the latest technological features, the Mirolux Ultra 922 offers the added benefits of ease of use, portability and dependability; features that our customers have come to expect.

Made in the U.S.A. and offering a 1 year warranty against defects in materials and workmanship, the Mirolux Ultra 922 offers premium features and the best value in the industry.

## Key Features of the Mirolux Ultra 922 Retroreflectometer

- Measures all types of retroreflective materials with a single measurement
- Meets ASTM, CIE & DIN specifications
- Utilizes annular measurement geometry – no averaging of measurements on micro-prismatic material necessary
- Dual observation angles of 0.2° and 0.5° for simultaneous measurements
- European geometry also available
- World-class photopic-corrected detector and source “A”
- Requires only 1 reference standard without any correction factors
- Self-contained commercially available battery
- Digital liquid crystal touch-screen display
- Bluetooth
- Built-in WAAS-enabled GPS
- Built-in programmable barcode reader
- USB Computer Interface
- Built-in averaging
- Internal storage for approximately 4500 measurements
- Foam-lined carrying case
- Optional extension pole kit with IrDA remote control

## Accessories

- Foam-lined Carrying Case
- Measurement Area Reducers
- Battery Charger
- Two (2) Batteries
- Calibration Standard
- Calibration Certificate
- Windows Software with Mapping

## Specifications

Specifications (apply to all models)	
Detector Responsivity	Photopic response in accordance with ASTM E1709 paragraph 6.4.2 and ASTM E2540 paragraph 6.4.2
Range (cd/lx/m <sup>2</sup> )	0-2000
Data Memory	> 4500 measurements
Computer Interface	USB
GPS	12-Channel WAAS Enabled for <3 meter position fix uncertainty
Barcode Reader	Programmable Symbologies Laser Scanner
Power Supply	removeable 12 VDC, 2.4 Ah battery (DeWalt P/N DC9071)
Charger	110 VAC, 60 Hz (add -1 after model number) 12 VDC cigarette lighter (add -2 after model number) 220 VAC, 50 Hz (add -3 after model number)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	0 to 95% non-condensing
Length	Approx. 11.5 inches (290 mm)
Width	Approx 4.5 inches (115 mm)
Height	Approx 12.75 inches (325 mm) with battery
Weight	Approx 5.9 lbs (2.7 kg) with battery

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