StripeMaster Touch Series™ Pavement Marking Retroreflectometer

StripeMaster Touch Series™

Pavement markings are one of the single most important infrastructure elements to a roadway's safety; they provide guidance, direction and warning to the motorists and pedestrians that use the roadway system. Retroreflectivity provides motorists with nighttime visibility of these pavement markings. The StripeMaster Touch Series™ of handheld pavement marking retroreflectometers provides agencies and contractors with advanced, reliable, efficient, and effective means of assessing this visibility.

Safe

- Upright safety color yellow design makes operator more visible to motorists
- Swivel handle allows operator to control from ideal position
- Fast place, shoot and measure operation gets the operator in and out of traffic quickly
- Optics are proven ultra-accurate reliability

Smart

- Firmware performs instant, reliable measurements and calculations
- Facilitates multiple ASTM testing methods and effectively meets the need for retroreflectivity verification methods
- Reliably measures retroreflectivity with proven optics and field durability
- Upgradeable full asset management features

Simple

- Field setup, calibration to measurement in minutes
- Accessible, friendly, built-in color touch screen for simple field operation
- Convenient field reporting with built-in printer and comprehensive back office reporting with USB flash drive

FULL-FEATURED PRINTER/LCD SCREEN

Intuitive software and user interface with full-color touch screen navigation and weather shield. Built-in printer for on-site data reporting.

COMPREHENSIVE TRANSFERABLE DATA

Fast, precise retroreflectivity measurements with accurate Global Positioning System (GPS). WAP-enabled; exportable CSV and Google Earth files.

EASIER FIELD MOBILITY

Quick-locking magnetic rear-axle with over-sized wheels for easier field mobility. Lightweight makes for quick transportation. Features a commercially available 12-volt rechargeable external battery with capacity for all-day operation.

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StripeMaster

Handheld Pavement Marking Ret

Simple retroreflectivity verific

Often agencies and contractors need a method of efficiently verifying a pavement marking's retroreflectivity. The simple operation of all of the devices in the StripeMaster Touch Series™ reduces the time and training needed by the operator, effectively getting the job done safely and reliably.

From simple retroreflectivity verification to total pavement marking asset management, the StripeMaster Touch Series™ has the right device for most applications.

Some of the many common features of this series include the StripeMaster's proven ultra-accurate optics for reliable measurement, user-friendly color touch screen for easy operation, ergonomic upright design for increased visibility, ease of operation and compact design, and protective case for transport.

StripeMaster 2 Touch™ SM2T™

Full assessment and management of pavement markings

Pavement markings are an important asset component to the roadway system. Proper management of this asset requires the gathering, analysis, and monitoring of multiple characteristics of the markings. The SM2T™ adds full assessment and post measurement analysis features. With the SM2T™, the marking's retroreflectivity, color, type, size, material, and much more can be easily entered and stored for effective and detailed post-measurement analysis and management; assisting in the efficient and comprehensive management of this important asset.

- Reliably provides a near all-in-one pavement marking asset management system
- Efficiently gathers, stores and reports comprehensive data needed for pavement marking management
- Effectively provides for assessment and analysis of critical safety characteristics of pavement markings

StripeMaster 2 Color™ SM2C™

Full assessment and management of pavement markings and their color

In the U.S. and other countries, the color of the line provides critical information to the motorists. Many agencies have identified the importance of assessing and managing the retroreflected or nighttime color of pavement markings. This has become more important due to the increased use of environmentally-friendly pigments that are less efficient with color transfer into the retroreflected light. The SM2C™ has the reliability and robust assessment features of the SM2T™ with the added ability to simultaneously assess the markings' nighttime color, effectively assuring the right message gets back to the motorists.

- Reliably provides accurate retroreflectivity and nighttime color assessment and evaluation
- Efficiently measures both retroreflectivity and nighttime color simultaneously
- Effectively ensures the markings provide a clear and comprehensive message to motorists

Touch Series™

roreflectivity Assessment Solutions

RoadVista®
A Gamma Scientific company

cation of pavement markings

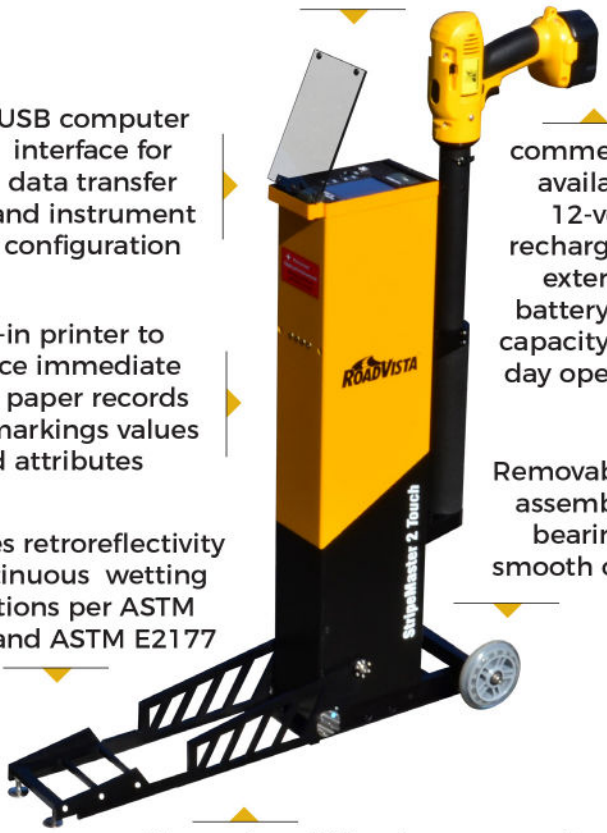
4-position safety swivel handle, allowing operation from the safest direction

Color touch screen interface

USB computer interface for data transfer and instrument configuration

Built-in printer to produce immediate on site paper records of the markings values and attributes

Measures retroreflectivity in continuous wetting conditions per ASTM E2832 and ASTM E2177



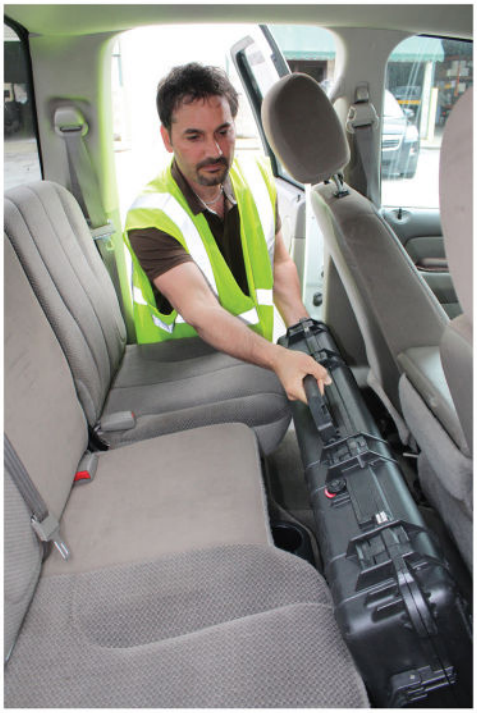
commercially available 12-volt rechargeable external battery with capacity for all day operation

Removable wheel assembly with bearings for smooth operation

Magnetic stabilizer bar retracts for storage

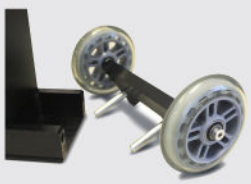
StripeMaster Touch Series Retroreflectivity

	Verification	Management	Color
SM2T™	✔	✔	
SM2C™	✔	✔	✔



Standard Accessories

- Foam-lined carrying case
- One (1) battery (SM1T); Two (2) batteries (SM2T and SM2C) and charger
- Calibration standard
- Stabilizer bar and removable wheels
- USB cable
- Windows software with mapping
- Internal GPS
- Free training and expert customer service



Optional Accessories

- Annual calibration service
- Calibration Certificate

Data	SM2T	SM2C
Measures retroreflectivity R_L per ASTM E1710 and EN1436	✔	✔
Measures retroreflectivity in continuous wetting (rain) conditions per ASTM E2832 without any attachments or modifications	✔	✔
Measures retroreflectivity in wet conditions per ASTM E2177 without any attachments or modifications	✔	✔
Records GPS coordinates with each measurement utilizing 56-Channel WAAS-, EGNOS-, MSAS- enabled for <2.5 meter position fix uncertainty. NMEA0183 format output	✔	✔
Has option to average multiple measurements	✔	✔
Custom file information for storing job name/job type/user	✔	✔
Extensive measurement range for accurate low to high performance marking measurement	✔	✔
Large memory capacity for measuring entire projects between data downloads	✔	✔
USB computer interface for data transfer and instrument configuration	✔	✔
Data integration software compatible with Excel and Google Maps	✔	✔
Proven/certified accuracy	✔	✔
Free training and expert customer service	✔	✔
Records temperature and humidity with each measurement	✔	✔
Custom fields for user to record additional attributes about the stripe (operator, location on road, installation date, material thickness, stripe type, bead type, stripe width, etc.)	✔	✔
Customizable settings for user to set pass/fail values	✔	✔
Measures night-time retroreflected color and reports CIE chromaticity coordinates per ASTM D6628		✔

Design	SM2T	SM2C
Measurement area is clearly visible during the measurement allowing for easy alignment	✔	✔
Built-in printer to produce immediate on-site paper records of the markings values and attributes	✔	✔
4-position safety swivel handle allowing operation from the safest direction	✔	✔
Magnetic stabilizer bar retracts for storage	✔	✔
Removable wheel assembly with bearings for smooth operation	✔	✔
Quick charge battery charger	✔	✔
USB flash drive for portable data transfer	✔	✔
Color touch screen interface	✔	✔
Certified calibration block for easy, fast field calibration	✔	✔
Durable compact foam filled carrying case for protected storage and transport	✔	✔
Accurate retroreflective measurement of all industry standard colors	✔	✔
Made and serviced in the USA	✔	✔
Bluetooth interface for wireless operation	✔	✔
Two commercially available 12-volt rechargeable external batteries and charger with capacity for all day operation	✔	✔

Data Management and Storage (External)
- Bluetooth interface for wireless operation
- USB flash drive for portable data transfer

(Internal)
- GPS automatically records coordinates with each measurement
- Large memory capacity for measuring entire projects between data downloads
- Internal Data Memory: > 10,000 measurements

CEN 30-Meter Geometry
- Entrance Angle: 88.76° (ASTM E1710)
- Illumination Angle: 1.24° (EN1436)
- Observation Angle: 1.05° (ASTM E1710) and 2.29° (EN1436)

Measurement Specs
- Field of Measurement: 2.4 x 7.9 in (60 x 200 mm)
- Measures Nighttime Retroreflected Color and reports CIE chromaticity coordinates per ASTM D6628 SM2C
- Range (mcd/m²/lx): 0-3500
- Profiled Markings: Measures up to 0.59 in (15 mm)

Performance (Applies to all models)
- Detector Responsivity: Photopic response in accordance with ASTM E1710 paragraph 6.3.2
- GPS: 12-Channel WAAS Enabled for <3 meter position fix uncertainty NMEA0183 format output
- Printer: Direct Thermal, 2 inch (50 mm) roll paper
- Display: Full color TFT LCD touch screen top mounted

Other
- Accurate retroreflective measurement of all industry standard colors
- Power Supply: Rechargeable 12 VDC, 3.3 Ah battery (DeWalt P/N DC9071 or equivalent)
- 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)
- Profiled Markings: Measures up to 0.59-in. (15-mm.)
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Operating Humidity: 0 to 95% non-condensing
- Instrument: 37 x 10.5 x 4.4 in (93 x 27 x 11 cm)
- Carrying Case: 46 x 18 x 6 in (117 x 46 x 15 cm)
- Weight: Approx. 21 lbs (9.5 kg) with battery
- Made and serviced in the USA