The Laserlux® CEN 30 Mobile Retroreflectometer.

ROADVISTA

Pavement-Marking Retroreflectivity Measurement At Highway Speeds.

The Laserlux® CEN 30 Mobile Retroreflectometer System is the most powerful pavement-marketing retroreflection measurement system on the market today.

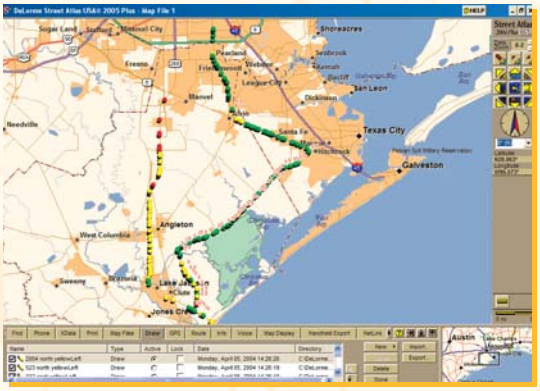
The Laserlux CEN 30 captures 1150 measurements per mile at 60 MPH.

Extensively fielded on four continents, this vehicle-mounted system provides reliable, objective and cost-effective measurements at highway speeds – night or day – without hindering traffic flow or putting operators at undue risk.

Designed to match the CEN 30-meter geometry, the Laserlux shines a scanning laser beam 10 meters in front of the instrument. This laser light is retroreflected back to a photoreceptor by the road stripe, and the coefficient of retroreflected luminance is calculated. Simple, yet exceptionally powerful.

Cover up to 300 line-miles per eight-hour shift. Perform more pavement-marking retroreflection measurements in a single day than you previously could in weeks. The Laserlux CEN 30's measurement speed – 1150 measurements per mile (at 60 miles per hour) – enables a two-person crew to cover up to 300 measurement miles per eight-hour shift. The unit features a scan width of 1.1 meters, and provides both contrast and retroreflectivity measurements within that width. Further, collected data is more statistically representative than standard techniques; each measurement consists of 200 unique datapoints.

Real-time data acquisition and analysis. The Laserlux CEN 30 features a rich, graphical software interface that makes it easy to acquire and analyze data – all in real time. For more data analysis power, consider the optional video and data overlay that can be recorded to DVD or VHS to show real-time measurements with actual road conditions. Also consider the optional mapping software that plots pass-fail measurement data for quick overview.



Optional mapping software plots pass-fail measurement data.

Global positioning system.

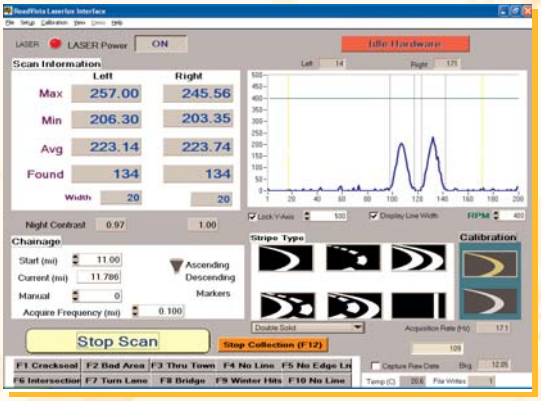
Was that a pavement-marking flaw near milepost 376, on Highway 50, deep in the Nevada desert? Pinpoint this level of

The Laserlux CEN 30 Advantage.

- *World Standard 30-meter geometry with six-inch ground clearance.*
- *Proven and accepted pavement marking management tool.*
- *High-speed, real-time measurement – 1150 measurements per mile at 60 MPH.*
- *1.1-meter scanning width.*
- *GPS provides exact vehicle location with stripe data.*
- *Powerful data acquisition and analysis software.*
- *Optional mapping software.*
- *Optional forward-looking video camera with cab-mounted monitor.*
- *Optional cab-mounted video recording camera with data overlay.*
- *Simple set up and operation.*
- *Custom integration with your truck or van is available.*
- *Eliminates lane closures and crew-safety issues.*
- *Ideal for holding contractors accountable.*

positioning data quickly and easily via the Laserlux CEN 30's global positioning system (GPS). All measurement data is time and position stamped for fast search, identification and retrieval.

Fast set up, easy operation. Set up is nearly instantaneous. The Laserlux CEN 30 crew simply mounts the unit, adjusts its height to the proper level and aims the laser beam on the pavement 10 meters in front of the unit. Operation is even easier. Everything is automated; one crew member drives while the second crew member monitors data down-loading real time into the onboard computer.



Windows-based data acquisition software.

Customize your retroreflection operation. From cabin layout to type of vehicle, there are endless customizable options from which you can choose. Options include a forward-looking video camera with cab-mounted monitor for driver guidance and a cab-mounted video recording camera with data overlay.

Custom integration with your truck or van is available.

Eliminate lane closures and crew-safety concerns. Eliminate the biggest obstacles to pavement-marking retroreflection measurement – lane closures, traffic snarls and crew safety. What was once a major production is now a simple cruise down the highway. Plus by reducing manpower needs, you further save your department a bundle of money.

Optional video and data overlay shows real-time measurements with actual road conditions.

Ideal for holding contractors accountable. The Laserlux CEN 30's reliable and objective measurements are ideal for holding contractors accountable, implementing pavement standards, planning re-striping strategies and establishing a pavement-marking management database.

Specifications

Geometry	ASTM E1710 and CEN 30 meter
Entrance Angle (beta)	88.76° ± 0.01°
Observation Angle (alpha)	1.05° ± 0.01°
Aperture Size	0.1°
Sample Rate	>1150 measurements/mile @ 60 MPH >720 measurements/km @ 100 km/h
Operating Temp. Range	35 to 110 °F (2 to 43 °C)
Operating Humidity Range	5 to 95% R.H. non-condensing
Weight	55 lbs (22 kg)
Size	8x15x31 in. (22.3x38.1x78.7 cm)
Data Acquisition System & Software	Windows 2000/XP based
Vehicle Platform	Van or truck

Global service and support.

The Laserlux CEN 30 is backed by our highly trained and responsive global-support team. With sales and service offices in many countries, you'll enjoy the localized service you demand – from installation through deployment and beyond – to ensure your continued success.

ROADVISTA

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