

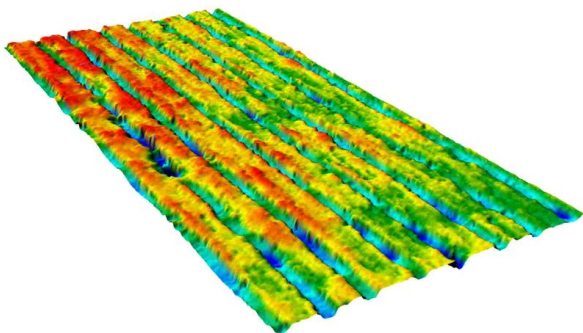
RoLine 1145

A BETTER WAY TO PROFILE ROADS

RoLine 1145 sensors measure pavement topography in 3D at high speed regardless of pavement geometry.

LARGE MEASUREMENT FOOTPRINT
IDEAL FOR CONCRETE OR ASPHALT
DESIGNED FOR HIGH-SPEED PROFILING

The RoLine 1145 offers an advantage over single point or multi-point methods by providing a 100mm line of data across the road surface. By seeing more of the road, RoLine allows profilers to measure accurately on all pavement types at any speed.

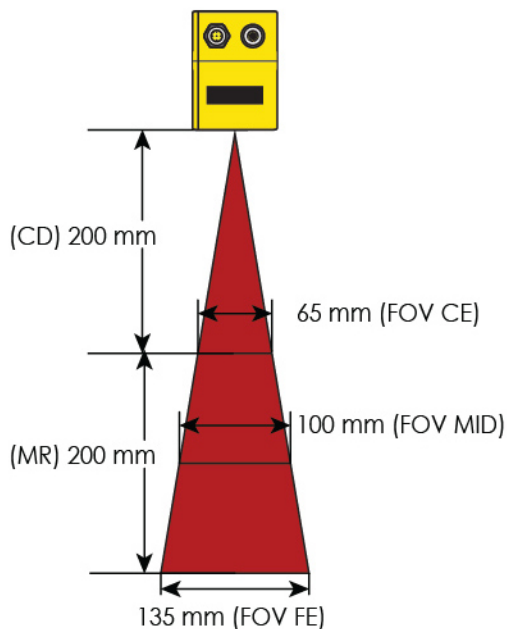


RoLine 1145 accurately profiles complex road surfaces

- **ACCURATE DATA:** Provides accurate data on all pavement types including transverse and longitudinally tined concrete, grooved and diamond ground concrete, as well as asphalt pavements.
- **HIGH SPEED PROFILING:** High-speed 3 kHz profile output with user-selectable number of points across 100 mm of scan width.
- **SELECTABLE OUTPUT MODES:** Three output modes - full profile over Ethernet, or internally-bridged single value over Ethernet, or Selcom Serial Interface.
- **ROAD WORTHY:** With over 25 years experience and 4,000 sensors measuring on roads, RoLine sensors are road-worthy; not affected by sunlight, temperature, shock, or vibrations.

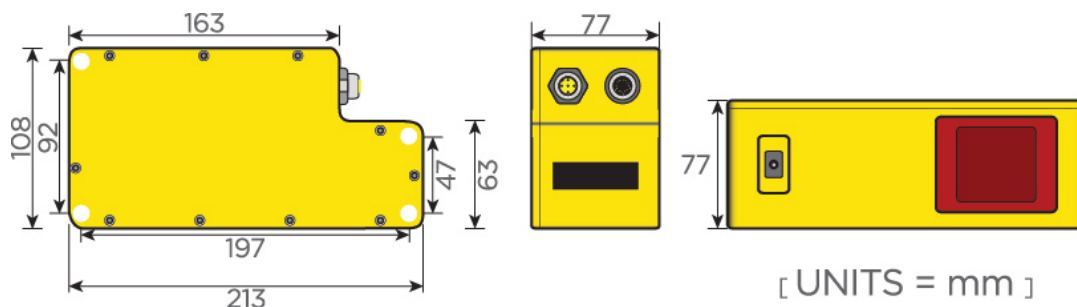


RoLine 1145



SENSOR SPECIFICATIONS

Model	RoLine 1145
Laser Class	3B (IEC 60825-10:2001)
Wave Length	660 nm Visible Red
Housing	IP-65, NEMA 4
Operating Temp.	0-50°C, 32-122°F
Input Voltage (Power)	+48 VDC +/- 10% (0.5 A @ 48 VDC)
Dimensions	213 mm x 108 mm x 77 mm (8.39 in. x 4.25 in. x 3.03 in.)
Weight	1.8 kg (4 lbs.)
Communication	Ethernet, Selcom Serial Interface
Cable Length	up to 70 m (230 ft.)
Profile Rate	3000 Hz
Field of View (FOV)	65 mm @ CE, 100 mm @ Mid, 135 mm @ FE
Measurement Range (MR)	200 mm
Clearance Distance (CD)	200 mm
Resolution (Z)	0.01 mm (0.0004 in.)



LMI Technologies Inc. is a market leader in fast, accurate, and reliable scanning technology for industry. Today we have over 60,000 sensors operating in the field. LMI Technologies Inc. provides responsive, reliable, scanning technology for better optimization solutions for industry.

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