



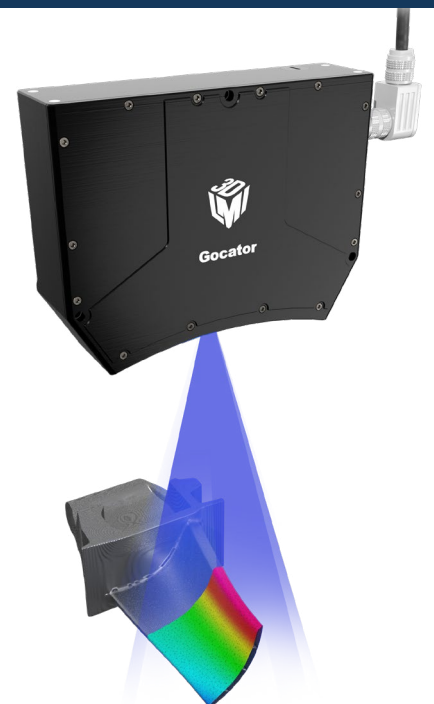
**Gocator**<sup>®</sup>  
ALL-IN-ONE 3D SMART SENSOR

## 3D LASER LINE PROFILERS

### Advancing Quality and Productivity With 3D SensorTechnology

Polyga as the official distributor of LMI Technologies across Western Canada brings together the all-in-one 3D smart sensors trusted worldwide for automated inline inspection.

Gocator combines 3D scanning, measurement and control in a single device, with no external PCs or controllers required. This efficient design paired with high-performance functionality makes Gocator easy to integrate into existing inspection systems—minimizing system cost and maximizing product quality and throughput.





## Gocator 1300 Series

High-speed (32 kHz) Point Profilers for Dimensional Measurements

- Ideal for closed loop control or measuring high speed processes

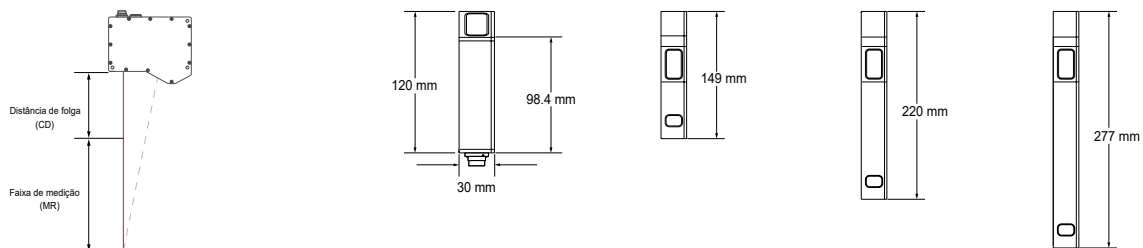
# Specifications

	1320	1340	1350	1365	1370	1380	1390
<b>Clearance Distance (CD) (mm)</b>	40	165.5	200	562	237.5	127	500
<b>Measurement Range (MR) (mm)</b>	20	95	200	375	412.5	1651	2000
<b>Linearity Z (+/- % of MR)</b>	0.05	0.05	0.05	0.012	0.07	0.18	0.1
<b>Linearity Z (+/- mm)</b>	0.01	0.05	0.01	0.4	0.3	3.0	2.0
<b>Spot Size (mm)</b>	0.11	0.37	0.50	1.80	0.90	2.60	2.60
<b>Recommended Package Dimensions (mm)</b>	Side Mount (3R) 30x120x149	Side Mount 30x120x149	Side Mount 30x120x149	Side Mount 30x120x220	Side Mount (3B) 30x120x149	Side Mount (3B) 30x120x149	Side Mount 30x120x277
<b>Other Package Dimensions (mm)</b>	Top Mount (3B) 49x75x162		Top Mount 49x75x162		Top Mount (2M) 49x75x162		
<b>Weight (kg)</b>	0.75 / 0.8	0.75	0.75 / 0.8	1.0	0.75 / 0.8	0.75	1.25

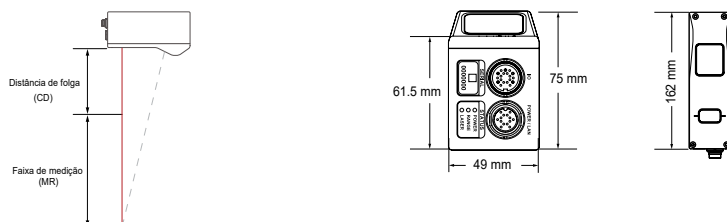
Optical models, laser classes, and packages can be customized. Contact LMI for more details. Specifications stated are based on standard laser classes. Linearity Z, Resolution Z, and Repeatability Z may vary for other laser classes.

### ALL 1300 SERIES MODELS

<b>Scan Rate</b>	32,000
<b>Interface</b>	Gigabit Ethernet
<b>Inputs</b>	Differential Encoder, Laser Safety Enable, Trigger
<b>Outputs</b>	2x Digital output, RS-485 Serial (115 kBaud), 1x Analog Output (4 - 20 mA)
<b>Input Voltage (Power)</b>	+24 to +48 VDC (13 Watts); Ripple +/- 10%
<b>Housing</b>	Gasketed aluminum enclosure, IP67
<b>Operating Temperature</b>	0 to 50°C
<b>Storage Temperature</b>	-30 to 70°C
<b>Vibration Resistance</b>	10 to 55 Hz, 1.5 mm double amplitude in X, Y, and Z directions, 2 hours per direction
<b>Shock Resistance</b>	15 g, half sine wave, 11 ms, positive and negative for X, Y, and Z directions
<b>Scanning Software</b>	Browser-based GUI and open source SDK for configuration and real-time 3D visualization, Open source SDK, native drivers, and industrial protocols for integration with user applications, third-party image processing applications, and PLCs.



Dimensões de pacote recomendadas (mm)- Montagem lateral



Outras dimensões do pacote (mm) - Montagem superior