



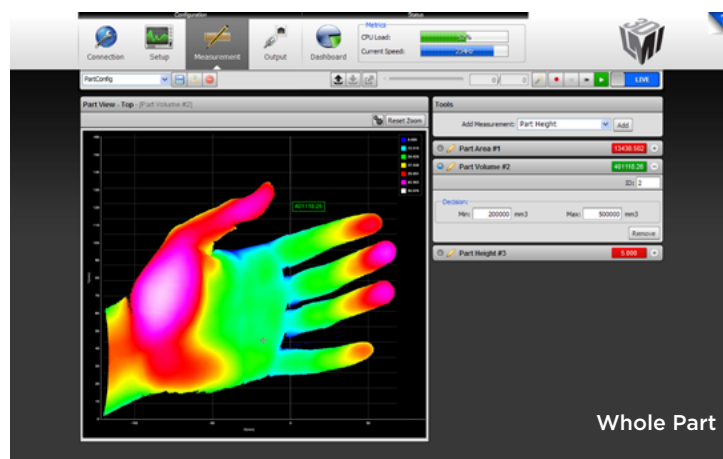
Gocator® 2000 FAMILY

ALL-IN-ONE 3D SMART SENSORS

- PRE-CALIBRATED STANDALONE, 3D SMART SENSORS
- SETUP & CONTROL VIA WEB BROWSER
- BUILT-IN TOOLS, NO PROGRAMMING NEEDED
- OPEN SOURCE SDK
- COMPACT, LIGHTWEIGHT, & ROBUST

The Gocator 2000 family of 3D smart sensors reduces the cost of factory automation by making product validation easy to implement and maintain. Simple to integrate and industrially designed for the rugged needs of the factory floor, Gocator 3D smart sensors are packed with built-in tools that can have a big impact on your bottom line.

Gocator 2000



- EASE OF USE: Gocator's built-in web server allows for flexible configuration of profiling settings and measurement tools via all major web browsers, on any computer and operating system. With no additional software to install, Gocator's out-of-the-box setup and configuration is fast and easy.
- STANDALONE & SCALABLE: Single sensors require no additional controllers, amplifiers or PCs. Gocator systems can effortlessly scale to multiple sensors using LMI Master hubs. Masters take care of power distribution, laser safety interlock, encoder and digital input handling, and microsecond synchronization.
- COMPACT & LIGHT WEIGHT: Gocator's small footprint and less than 1.5 kg weight make it ideal for fitting into tight spaces and mounting onto robotic arms.

DATASHEET_Gocator_2000_1.1





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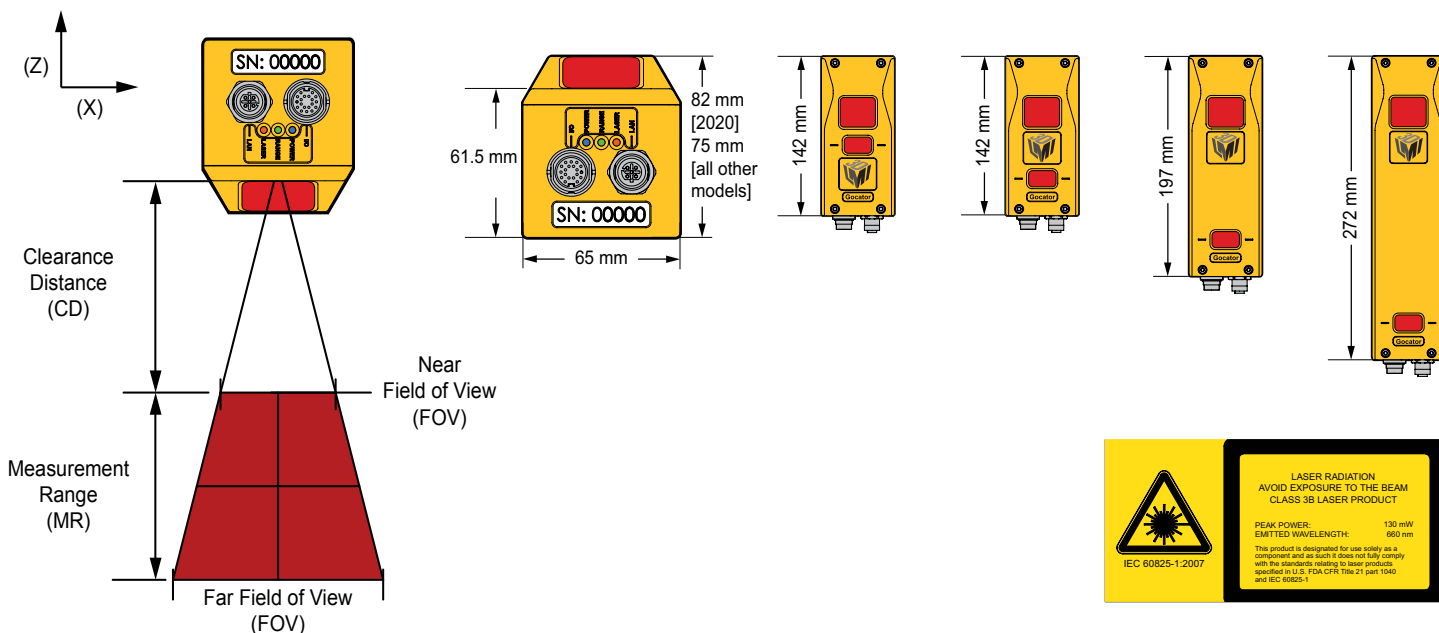
Model	2020	2030	2040	2050	2070	2080
Data Points / Profile	640	640	640	640	640	640
Linearity Z (% of MR)	0.02	0.02	0.02	0.02	0.02	0.02
Resolution Z (mm)	0.006 - 0.014	0.008 - 0.018	0.017 - 0.049	0.025 - 0.092	0.07 - 0.23	0.094 - 0.55
Resolution X (mm)	0.03 - 0.04	0.088 - 0.15	0.19 - 0.34	0.30 - 0.60	0.55 - 1.1	0.75 - 2.2
Clearance Distance (CD) (mm)	40	90	190	300	400	350
Measurement Range (MR) (mm)	25	80	210	400	500	800
Field of View (FOV) (mm)	18 - 25	47 - 85	96 - 194	158 - 365	308 - 687	390 - 1260
Standard Laser Class	2M	2M	3R	3R	3B	3B
Available Laser Classes*	3R	3R, 3B	2M, 3B	2M, 3B	2M, 3R	2M, 3R
Dimensions (mm)	65x82x142	65x75x142	65x75x197	65x75x272	65x75x272	65x75x272
Weight (kg)	1	1	1.15	1.45	1.45	1.45

*Pricing will vary

All 2000 Family Models	
Scan Rate	Approx. 300 Hz - 5000 Hz
Interface	100 Mbaud Ethernet
Inputs	Differential Encoder, Laser Safety Enable, Trigger
Outputs	2x Digital Output, RS-485 Serial (115 Kbaud), 1x Analog Output (4 - 20 mA)
Input Voltage (Power)	+24 to +48 VDC (10 Watts); Ripple +/- 10%
Housing	Gasketed aluminum enclosure, IP 67
Operating Temp.	0 to 50°C
Storage Temp.	-30 to 70°C

NOTE: Specifications stated reflect standard laser classes, values will vary for other laser classes.

Typical Lead Times: 2-4 weeks for standard laser classes. 6-8 weeks for available laser classes. Longer lead times maybe be required for larger volumes



Contact LMI Technologies or an authorized Gocator distributor for more information on how Gocator can improve your competitive edge. www.lmi3d.com

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