ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Lumetrics DI-340* at our website: ***Click HERE***

LUMETRICS

OptiGauge Precision Thickness Measurement

Black OptiGauge Data Sheet

OptiGauge

Model	OptiGauge
Measurement Method	Low Coherence Interferometry
Target Materials	Single or Multi-Layer Glass, Plastic, Tubing, Silicon, Coated Metals
Maximum # of Layers	Up to 20
Thickness Measurement Range	12µm to 8mm Mechanical Thickness (Refractive Index - ≈1.5)
Accuracy (Published accuracy at temperature range 20º to 30ºC)	±0.1µm
Repeatability	0.1µm 1σ
Measurement Scan Rate	50Hz - 200Hz
Power Requirements	AC 110V - 240V 50/60Hz, power consumption 20 watts / 30 VA
Light Source	1310nm SLED – 45 nm wide
Dimensions	425mmW x 457mmD x 140mmH/16.75"W x 18"D x 5.5"H
Weight	20lbs./9kg
Operating Temperature Range	15º to 30ºC (59º to 86º F)*
Non-Operating Temperature	-15º to 60º C (5º to 140º F)
Operating Relative Humidity	10 to 90% (non-condensing)
Maximum Altitude	2000 meters (6560 Ft.)
Data Outputs	RS-232, USB

OptiGauge Controller

Operating System	MS Windows XP, Microsoft Dot Net Remoting, Service Pack 3
Processor	Intel Core2Quad, 2.66 GHz
RAM	2GB
Hard Disk	80GB SATA
Power Supply	550W Universal Input, power consumption: controller 80-140 watts / 85-145 VA; monitor 15 watts / 23 VA
Video	Integrated Intel Graphics
Software	Lumetrics OptiGauge Control Center
Dimensions	438mmW x 501mmD x 178mmH/17.25"W x 19.75"D x 7"H
Weight	28Lbs./13kg

OptiGauge Measurement Probes

Focal Length (Working Distance)	25mm and 50mm
Optical Fiber Length	8M standard, up to 1000M Maximum
Vertical Z-Axis Tolerance	±5mm
Angular Tolerance 25mm Probe	±2°
	50mm Probe - ±1°
Probe Dimensions	25mm Probe - 21.6mm Diameter X 108.7mm Length
	50mm Probe - 21.6mm Diameter x 78.2mm Length
Probe Weight	3 ounces
Operating Temperature Range	0°C - 100°C
Optical Fiber Bend Tolerance	50mm Minimum Bend Diameter

Optical Multiplexer Switch

Capacity	Up to eight probes on one OptiGauge system
Switch Time	≈100ms
Dimensions	432mmW x 254mmD x 45mmH/17"W x 10"D x 1.75"H
Weight	4.2lbs./1.3kg

Eagle's Landing Business Park **1565 Jefferson Road, #420** **Rochester, NY 14623**
Ph. 585.214.2455 **www.lumetrics.com** **Fax 585.214.2458**

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP