

TRIANGULATION LASER METERS

ST203 MicroGAGE

The ST203 Series is a family of precision triangulation style laser displacement sensors. These non-contact laser sensors provide a cost effective solution to a variety of measurement needs. There are 11 models with full-scale spans from 1/8 inch to 50 inches. These units are ideal for hot metal applications, glass or wall board. Custom Windows compatible application software is available for turnkey solutions.

Typical uses include:

- Slab width measurement systems
- SEN Nozzle alignment
- Machining and coordinate measurement
- Thickness and diameter measurement

KEY FEATURES

- ◆ Highly accurate; 0.1% FSO
- ◆ 11 models from 1/8" to 50" spans
- ◆ Background light elimination for brightly lit areas
- ◆ Easy to connect and use
- ◆ English, Metric or binary output on serial line

SPECIFICATIONS

Parameter	Units	/20	/32	/50
Measuring Range	Inches	20.0	32.0	50.0
Dmin	Inches	38.0	26.0	30.0
Accuracy (Dmin to ctr.)	Inches	0.020	0.032	0.05
Accuracy @ Dmax	Inches	0.03	0.07	0.10
Accuracy & Resolution of FSO	%	0.1 / 0.03		
Supply Voltage	VDC	12 to 24 (75mA @ 15V)		
Laser	Type	Class IIIa, 670nm visible red		
Output	Type	Serial RS-422 or Current loop		
Operating Temperature	°C	0 to +50		
Sample Rate	Type	Configurable, 1250/s to .2/s		
Size	Inches	16L x 2W x 4H		
Electrical Connector	Type	Quick disconnect		
Mounting	Type	ST205 Protective enclosure		

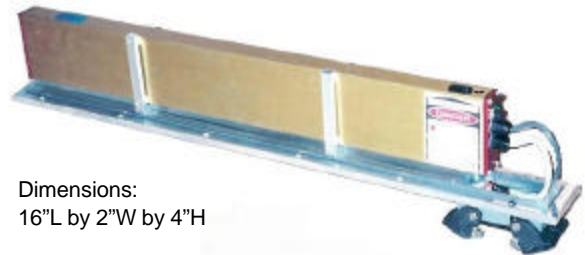
** Call or email for additional models

OPTIONAL ACCESSORIES

- ◆ ST205 Protective enclosures
- ◆ Application software – ST200 WidthTRACKER for slab width measurement
- ◆ Cables (custom lengths)

ST203 MicroGAGE

- Long range models with spans of 20, 32, and 50 inches
- Triangulation style lasers



Dimensions:
16"L by 2"W by 4"H

ST205 Protective Enclosures

- Air & water cooled
- Electrical quick disconnect
- Multi-axis swivel base
- Rugged, mill duty design



BENEFITS

- ◆ Fast adapting to varying surface properties
- ◆ Designed for industrial applications
- ◆ Enable in-house data collection
- ◆ Obtain accurate real-time data
- ◆ Facilitate ISO certification
- ◆ Eliminate down time

