

Finally, A Better Choice

THE S-GAUGES

TLAser130s, TLAser160s and TLAser1120s

*Split Transmitter/Receiver
Laser Micrometers*



LaserLinc, Inc.

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TLAser130s, TLAser160s, TLAser1120s

TLAser130s/160s/1120s: 2-Part Housing For Multi-Strand, Hose, Pipe, And More!

Incredible flexibility, accuracy, plus high-speed scanning—that's what you get with the S-Gauges: TLAser130s™, TLAser160s™ and TLAser1120s™, LaserLinc's single-axis, split transmitter-receiver micrometers.

Like their smaller cousin, the TLAser122s™, the S-Gauges' separate transmitter and receiver enables users to mount them farther apart to scan larger products and multiple assemblies. The micrometers can be attached to a rail, giving them the same layout as a one-piece gauge, but with adjustable distance between transmitter and receiver. Or, the transmitter and receiver can each be attached to separate stands, allowing full freedom of part movement through the gauge. In addition, the scanner-rail mounting can be rotated to an angle that best suits the product being measured.



As with all LaserLinc scanners, the S-Gauges connect—via the TLAser400™ micrometer interface card—to a PC running Total Vu™ software. Total Vu software is LaserLinc's sophisticated, yet operator-friendly, measurement/data processing package, which runs on any Windows-based PC. Total Vu gives you in-process tolerance checking, trending, SPC, feedback control, data logging, recipes, and other features to streamline your process and save you money.

All LaserLinc micrometers have a **four-year warranty**, parts and labor. In virtually all cases, a temporary replacement will be shipped to you overnight if your micrometer needs warranty repair. LaserLinc's hardware, software, and service provide the tools you need to reduce scrap, save material, increase production efficiency, and improve quality.

FOR:

- ✦ Multi-strand measurement;
- ✦ Large pipe, hose, tube, and other products up to 120mm (4.72 inches) in diameter, or even larger with two separate micrometers stacked together;
- ✦ Measuring extremely hot products;
- ✦ Measuring product running inside pressure or vacuum tanks.

TLAser130s, TLAser160s, and TLAser1120s—Scanners Built for Speed, Accuracy, and Flexibility

	TLAser130s	TLAser160s	TLAser1120s
Measurement Range	0.007"–1" (0.17mm – 25.4mm)	0.016"–2" (0.25mm–51mm)	0.028"–4.72" (0.71mm–102mm)
Maximum Measurement Size	1.18" (30mm)	2.36" (60mm)	4.72" (120mm)
Measurements per second	1,600 standard 4,000 optional	1,600 standard 4,000 optional	1,600 standard 4,000 optional
Resolution	.000001" (.025µm)	.000001" (.025µm)	.000001" (.025µm)
Repeatability			
Single Scan	±0.002" (±0.0508mm)	±0.004" (±0.102mm)	±0.008" (±0.203mm)
Two Second	±0.00001" (±.25µm)	±0.00002" (±0.5µm)	±0.00004" (±1.0µm)
Positional Error	±0.0001" (±2.54µm)	±0.0002" (±5µm)	±0.0004" (±10µm)
Approx. Dimensions (H x W x D)			
Transmitter	4.95" x 8.75" x 2" (126mm x 222mm x 51mm)	7.5" x 8.5" x 2" (191 x 216 x 51mm)	10.25" x 10.7" x 2" (260 x 272 x 51mm)
Receiver	4.95" x 4" x 2" (126mm x 102mm x 51mm)	7.5" x 4" x 2" (191 x 102 x 51mm)	10.25" x 6.5" x 2" (260 x 165 x 51mm)
Weight	11.5 lbs (5.2 kg)	16 lbs (7.25kg)	21 lbs (9.5kg)

Power is received from AC cord plugged into 110-220VAC 50-60Hz 1-phase electric. Laser Class II visible red laser diode wavelength 670 NM.

Optional air purges ensure reliable operation in harsh environments; other accessories include roller guides, stands, mounting rails, and calibration fixtures.