

LASER DIAMETER GAUGE LST 25



Product Description

LST laser diameter measuring instrument, professional non-contact dynamic diameter measuring instrument, is suitable for online diameter measurement of round workpieces such as Optical Fiber and cable, electric wire & cable, glass tube, plastic tube and bearing. It not only measures display diameter and deviation value but also could control diameter automatically according to user requirement to keep the consistency of wire diameter.

Features

1. Suitable for online measurement of any round wires and workpieces.
2. Non-contact measurement, high-speed inspection, high precision and stable performance.
3. With FO optical lens, there is a small influence of shaking on the measured wire.
4. With inbuilt PID control module, wire diameter can be automatically controlled.
5. With all-dimensional revolving operating panel, long-distance displays of various dimensions are equipped.
6. With a multi-address RS232/485 communication interface.
7. With semiconductor laser of long service life.
8. With Switzerland brushless DC motor, it could be adapted to working under severe environment.

LST series of diameter measuring instrument could be classified into two types such as one-dimension and two-dimension according to the measurement pattern. One-dimension diameter measuring

instrument only measures the diameter value of workpiece in one direction while a two-dimension diameter measuring instrument measures the diameter value in two directions of X and Y. One and two-dimension measuring instruments feature compact structure, same operation function and output interfaces.

Technical Parameters

- Equivalent scanning speed: 600 times/sec (1400times/sec at fastest speed)
- control interface output: -10V~+10V
- Maximum output current: 5mA
- Centre-height adjustable range: 850~1100mm

Model Specification	Measuring Range	Measuring Precision	Resolution Ratio	External Dimension of Measuring Head
LST-25/JIB	0.1~25mm	±2μm	1μm	290x60x170mm
LST-25/JIIB	0.1~25mm	±2μm	1μm	320x60x256mm
LST-40/JIB	0.1~40mm	±2μm	1μm	400x80x175mm
LST-40/JIIB	0.2~40mm	±2μm	1μm	365x80x311mm
LST-70/JIA	1~70mm	±5μm	3μm	668x120x160mm
LST-100/JIA	1~100mm	±5μm	3μm	480x80x367mm
LST-200/JIA	1~200mm	±5μm	3μm	660x120x437mm

Working Conditions

- Power: AC 180~260V 50Hz
- Working temperature: -5~+50°C
- Air humidity: ≤90% (no Condensate water)
- Power Consumption: ≤15W