

LSM 500H Series



Specifications

Model		LSM-500H	LSM-501H
Measuring range	mm	0.005~2	0.05~10
Repeatability	μm	±0.04	±0.05
Linearity	Whole range	μm ±0.3	±0.5
	Narrow range	μm -	±(0.3+0.1ΔD)
Positional error	μm	±0.4	±0.5

Model		LSM-503H	LSM-506H	LSM-512H
Measuring range	mm	0.3~30	1~60	1~120
Repeatability	μm	±0.15	±0.5	±1.2
Linearity	Whole range	μm ±1.0	±3.0	±6.0
	Narrow range	μm ±(0.6+0.1ΔD)	±(1.5+0.5ΔD)	±(4.0+0.5ΔD)
Positional error	μm	±1.5	±4.0	±8.0

Note: connectable to display units LSM-6100 and LSM-5100, only.

LSM 500H Series

Mitutoyo's new Laser Scan Micrometer, the LSM 500H, offers new levels of accuracy that make it the most precise instrument of its class. With an accuracy of $\pm 0.3\mu\text{m}$ (LSM 500H), it is the most accurate laser scan micrometer for measurements of 25mm or less.

The LSM 500H series also has a new edge detection circuit, which makes it easier to find and align on workpiece edges. Increased repeatability of up to $\pm 0.04\mu\text{m}$ (LSM 500H) and improved shop robustness makes the LSM 500H series ideal for a wide variety of applications, including optical fibers, wire, shafts, film thickness and cutting tools.

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