Laser Scan Micrometer LSM-9506

SERIES 544 — Bench Top Type Non-contact Measuring System

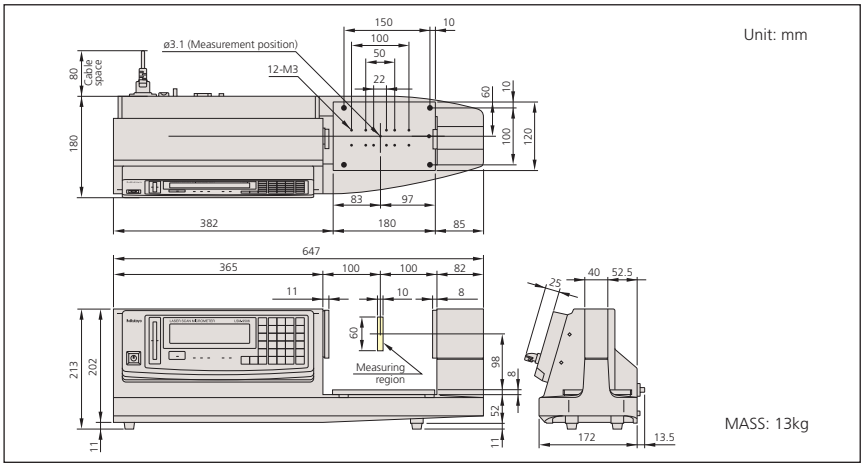
LSM-9506

SPECIFICATIONS

Model	LSM-9506	
Order No.	**544-116-1A**	
Measuring range	.02 - 2.36" (0.5 - 60mm)	
Measuring area	.02 x 2.36" (5 x 60mm) (*1)	
Scanning Rate	1600/sec	
Resolution	.000002 to .005" (0.00005 to 0.1mm) [Selectable]	
Repeatability	± .00003" (±0.6μm) (±2 σ measuring rate: 0.32s)	
Accuracy	Linearity (*2) ± .0001" (±2.5μm) The optical axis direction ± .0001" (±2.5μm) The scanning direction ±(.00008+L/10000)" [L:inch] (*3) ±(2.0+L/10)μm [L:mm] (*3)	
Laser type	Visible semiconductor laser Wavelengths: 670nm Scanning speed: 8900"/s (226m/s)	
Display Measuring function	Fluorescent display 16-digit+11-digit, guidance LEDs Segment designation: 1 to 7 (1 to 3 for Transparent) 10 Program storage (PROG. 0 to PROG. 9) 255 Edge Designations can be detected Multi Limit GO/±NG Tolerance Judgment (up to 7 intervals) Dual-Axis LED Display	Offset Setting and Mastering Reference Value Setting Automatic Workpiece Detection Dual-Gage Calibration Inch/mm Conversion Abnormal Data Elimination Dual Program Measurement Statistical Processing Workpiece Position display Foot-switch Connector
Data output standard	RS-232C, I/O Analog Interface, SPC	
Power Supply Power Cord Power Switch Operating Environment	AC100V - 240V ±10% 50/60Hz 40VA 930966 Key switch use 32~104°F(0~40°C), 35 - 85% RH (without condensation)	

(*1): The area given by [measuring range on the optical axis] x [Measuring range in the scanning direction].
(*2): Specified at the center of the measurement region.
(*3): L=Deviation between the center of workpiece and the optical axis. (See fig. 1)

DIMENSIONS AND MASS



Optional Accessories

02AGD170: Calibration gage set for LSM-9506
02AGD600B: Thermal printer (w/120V AC adapter)