

Technical Data

Accuracy at 20°C*

Entire range:	±6 μm
Narrow range:	±(4.0+0.5ΔD) μm
Repeatability (±2σ):	±0.8 μm
Positional error**:	±8 μm
Measuring region:	30 x 120 mm
Laser wavelength:	650 nm, Visible
Scanning rate:	3200 scans/s
Laser scanning speed:	904 m/s
Protection standard:	IEC, FDA

* At the centre of the measuring region. ΔD = Difference in diameter between the master gauge and workpiece.

** Potential measurement error due to variation in workpiece position within the measuring region.

Optional Accessories

02AGD150:	Calibration gauge set (ø20 mm, ø120 mm)	£900.00
02AGD260:	Air shield	£855.00
957608:	Air cleaner for air shield	£650.00
02AGC150A:	Extension relay cable 1 m	£73.00
02AGC150B:	Extension relay cable 3 m	£77.80
02AGC150C:	Extension relay cable 5 m	£82.70
02AGN780A:	Extension signal cable 5 m	£118.00
02AGN780B:	Extension signal cable 10 m	£156.00
02AGN780C:	Extension signal cable 15 m	£189.00
02AGN780D:	Extension signal cable 20 m	£267.00

SERIES 544 – LSM-512S High Accuracy Non-Contact Measuring System

- General-purpose type with a measuring range of 1 mm to 120 mm.
- Provides high accuracy of ±6.0 μm over the entire measuring range and even better in the narrow range.
- Excellent repeatability of ±0.8 μm.



544-540

SPECIFICATIONS

Code No.	Range	Resolution (selectable)	Price
544-540	1 - 120 mm (.04 - 4.72")	0.0001 - 0.1 mm (.000005 - .005")	£8850.00

DIMENSIONS

