SERIES 544 – LSM-500S Ultra-High Accuracy Non-Contact Measuring System

- Permits measurements starting from ø5 µm.
- Provides ultra-high accuracy of ±0.3 µm over the entire measuring range (5 µm to 2 mm).
- Ultra-high repeatability of ±0.03 µm.

544-532

Technical Data

Accuracy at 20°C*:	±0.3 µm
Repeatability (±2σ):	±0.03 µm
Positional error**:	±0.4 µm
Measuring region:	1 x 2 mm
Laser wavelength:	650 nm, Visible
Scanning rate:	3200 scans/s
Laser scanning speed:	76 m/s
Protection standard:	IEC, FDA

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

Optional Accessories

02AGD110: Calibration gauge set (ø0.1 mm, ø2.0 mm)
£330.00

02AGD200: Wire guiding pulley
£263.00

02AGD220: Air shield
£545.00

957608: Air cleaner for air shield
£650.00

02AGN780A: Extension signal cable 5 m
£118.00

02AGN780B: Extension signal cable 10 m
£156.00

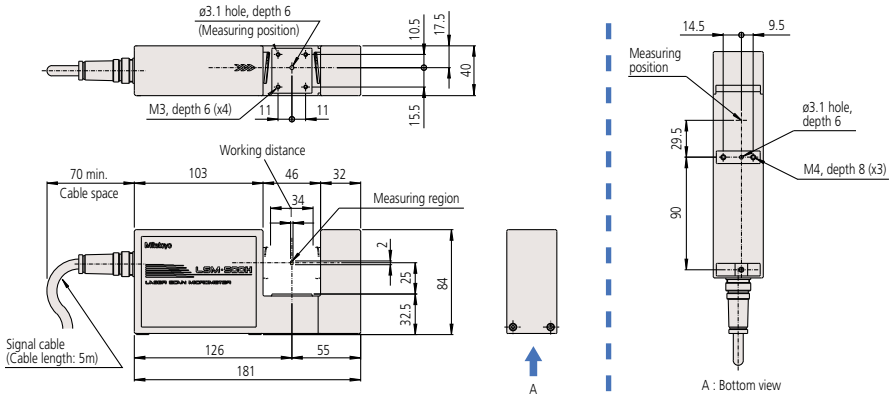
02AGN780C: Extension signal cable 15 m
£189.00

SPECIFICATIONS

Code No.	Range	Resolution (selectable)	Price
544-532	0.005 - 2 mm (.0002 - .08")	0.00001 - 0.01 mm (.000001 - .0005")	**£5210.00**

DIMENSIONS

Unit: mm



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