

Tesa- μ Hite

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Description

The new motorized probe TESA- μ HITE with incremental measuring system and Brown & Sharpe's metrology experience, condensed and miniaturized, for an unequalled precision.

This fine incremental probe is made to measure small-sized workpieces. It's the ideal solution for inspecting right next to the production floor or even in inspection laboratories.

- Provides high measurement accuracy guaranteed by the measuring system, which includes a long-term stability glass scale, as well as the high resolution of the measurement signal.
- Measures lengths in the form of internal, external, height, depth and distance dimensions. Outputs the position and diameter of bores in one coordinate.
- Motor-driven measuring movements allow fast, reliable probing of the measuring points with a constant measuring force.

Product Specs

Range

4 in/100 mm

Resolution

.00001 in/0.0001 mm

switchable to .0001 in/0.001 mm

Accuracy

Max. perm. Error with standard accessories:

- Axial .00005 in/1 μm

- Radial .0001 in/2 μm

Repeatability limit

- Axial .00002 in/0.5 μm

- Radial .00004 in/1 μm

Measuring force

1 N switchable to 0.63 N

Motorized movement speed

- 30 mm/s

- 10 mm/s

- 5 mm/s

Control panel

Extremely simple to use, large LCD field for the display of measured values and information's symbols.

Data output

RS 232

Operating temperature

5° C to 40° C

Storage temperature

-10° C to 60° C

Mass

25 Kg

Degree of protection

IP 50

Electromagnetic compatibility

EN50081-1, EN50081-2, EN50082-1, EN50082-2

Identification

Individual serial number

Ordering Information

Tesa-µHite basis unit, complete with measuring stand, control panel and standard accessories, 07.90049.

Composed of:

- Axial head holder M2,5 with tungsten carbide tip Ø 3 mm
- Radial measuring insert with tungsten carbide Ø 5 mm
- Reference piece
- Universal adapter 100-240 V

- Measuring protocol, declaration of conformity and instruction manual

Optional Accessories

- Axial head holder M1,4 07.60194
- Axial head holder M2,5 07.60195
- Axial head holder M3 07.60196
- Radial measuring insert with tungsten carbide Ø 5 mm 07.60197
- Radial head holder Ø 4 mm 07.60198
- Universal head holder 07.60199
- Measuring insert with tungsten carbide Ø 5 mm 07.60200
- Measuring insert with tungsten carbide Ø 3 mm 07.60201
- RS232 connecting cable TESA-µHITE to TESA Printer SPC or PC (SUB-D 9polig m/f)47.61052
- Rechargeable Battery 07.60202

Additional Resources

- [Click Here to request additional information.](#)
- [Click Here to request literature for this product.](#)
- [Click Here to download our current catalog. \(PDF 60 MB\)](#)