

Micro-Hite 100

Description

The new motorized mini-height gauge Micro-Hite 100 with incremental measuring system and Brown & Sharpe's metrology experience, condensed and miniaturized, for an unequalled precision. This fine height gauge 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

Accuracy

Max. perm. Error with standard accessories:

.0001 in/2 μ m

Resolution

.00001 in/0.0001 mm

switchable to .0001 in/0.001 mm

Repeatability limit

.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

9.9 Kg

Degree of protection

IP 50

Electromagnetic compatibility

Electromagnetic compatibility : EN50081-1, EN50081-2, EN50082-1, EN50082-2

Identification

Individual serial number

Ordering Information

MICRO-HITE 100 basis unit, complete with control panel and standard accessories, 07.90048.

Composed of:

- Radial head holder Ø 4 mm
- Measuring insert with tungsten carbide
- Reference piece
- Universal adapter 100-240V
- Measuring protocol declaration of conformity and instruction manual

Optional Accessories

- 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 MICRO-HITE 100 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)