



TESA MICRO-HITE digital height gauge including control panel and fine adjustment, Type: 900



Order data

Order number	445287 900
GTIN	7630041129946
Item class	45B

Description

Version:

TESA MICRO-HITE manually adjustable digital height gauge for comprehensive measurements in 1D or 2D coordinate measuring systems.

- **Incrementally graduated glass scale with reference point.**
- **Automatic correction of systematic measurement variations ensures very high accuracy. Coefficient of linear expansion equals that of steel.**
- **Switchable air support cushion**
- **User-friendly with multi-lingual context help in the active functions.**

Hybrid control panel

- **Backlit keyboard with clear simplified presentation and clear information.**
- **Convenient and flexible operation with parallel use of the keyboard and touch display.**
- **Ergonomic posture due to flexible adjustment of the control panel.**
- **Saves time and simplifies processes for serial measurements.**
- **Optional data management using Stat-Express or Data-Direct measurement software. Data can be archived to a USB stick.**

Software / measuring functions

- **Comprehensive measurement facilities such as parallelism, angular measurements, simple 2D measurements, etc.**
- **Integral computer.**

- **Automatic calculation of measurement results by repeated use of programs stored as functions.**
- **Input facility for customer-specific tolerances. ISO tolerances are automatically incorporated in the software. Direct and clear information to the user regarding OK/reject.**
- **Easy generation of test reports.**

Advantage:

Significantly faster measurement of the return points (min, max, Ø) by use of the patented Quick-Center technology. All measurements shown visually for information in noisy environments.

Application:

Thanks to the sturdy construction, suitable for workshop use as well as for laboratory applications. Ideal for series measurements.

Supplied with:

TESA MICRO-HITE base unit incl. control panel, standard contact point carrier, standard contact point with contact rod and 5 mm Ø measurement ball, reference piece, electric pump (fitted) for air pad for the gauge base, battery cartridge (rechargeable Lithium-ion battery), mains adaptor (charger), mains cable. **SCS calibration certificate.**

Optional extras:

USB printer No. 445293; printer paper No. 445294; data cable No. 498918 size USB; Data-Direct software No. 498925; Stat-Express software No. 498926; radio transmitter TESA BLE No. 498921 size BT; spare battery No. 445443 size AKKU; dust cover; comprehensive range of accessories (such as for measuring squareness) available on request.

Technical description

Graduations can be switched over	0.01 / 0.001 / 0.0001 mm
Measurement slide movement	manual
maximum application range	0 - 1075 mm
Gauging force	1.6 ±0.25 N
Measuring range	900 mm
Error limit (L = meas. length in mm)	2 + 2L / 1000 µm
Weight	45 kg
Rectangularity error (frontal)	11 µm
Repetition accuracy (2 σ)	≤ 1 µm
Calibration	E2
Number of rechargeable batteries contained	1
Type of rechargeable battery	Lithium-ion

Power supply	Rechargeable battery-powered
Power supply	Mains operated
Standard	Manufacturer's standard
Reversible reading	mm / inch
Interface	USB interface
Interface	TESA Link Connector TLC
Test certificate	Manufacturer's test certificate
Type of product	Height gauge

Services

DAkkS calibration Digital height gauge maximum measuring range 1000 mm	024010 1000
Calibration Digital height gauge maximum measuring range 1000 mm	024000 1000

Accessories

Thermal paper for USB printer	445294
USB printer for MICRO-HITE	445293
Receiver / USB keyboard interface Type	498965
Data cable TLC, 2 m Type USB	498918 USB
Multi-receiver / USB keyboard interface Type	498975
Mains adapter Type MH	445282 MH