



## Digital height gauge TESA MICRO-HITE + M with motorised drive including control panel, Type: M900



### Order data

Order number	445290 M900
GTIN	7630041129977
Item class	45B

### Description

#### Version:

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

- **Incrementally graduated glass scale with reference point. Patented opto- $\mu$  reading system.**
- **Automatic correction of systematic measurement variations ensures very high accuracy. Coefficient of linear expansion equals that of steel.**
- **Very high repetition accuracy due to constant gauging force.**
- **Switchable air support cushion.**
- **User-friendly application by multi-lingual context help in the active functions.**
- **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.**
- **Easy generation of test reports.**

- **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.**

#### 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.**

#### Version of the advertising text:

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#### Software / measurement functions

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

#### Hybrid control panel

- **Backlit keypad with simplified clear display of information.**

#### Advantage:

All measurements shown visually for information by LED 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  $\varnothing$  5 mm measurement ball, reference piece, electric pump (fitted) for air pad for the gauge base, Li-ion battery No. 445443 size AKKU; 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, TLC-BLE radio transmitter No. 498921 size BT, Stat-Express software No. 498926. Dust cover. Comprehensive optional accessories (such as for measuring squareness) available on request.

## Technical description

Rectangularity error (frontal)	11 $\mu$ m
Weight	45 kg
Repeatability hole	$\leq$ 1 $\mu$ m

Gauging force	1.6 ±0.25 N
Measuring range	900 mm
maximum application range	0 - 1075 mm
Graduations can be switched over	0.01 / 0.001 / 0.0001 mm
Error limit (L = meas. length in mm)	1.8 + 2L / 1000 µm
Measurement slide movement	motorised
Repeatability plane	≤ 0.5 µm
Calibration	E2
Type of rechargeable battery	Lithium-ion
Number of rechargeable batteries contained	1
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

Multi-receiver / USB keyboard interface Type	498975
Receiver / USB keyboard interface Type	498965
Thermal paper for USB printer	445294

Data cable TLC, 2 m Type USB	498918 USB
USB printer for MICRO-HITE	445293
Battery block Type AKKU	445443 AKKU
Mains adapter Type MH	445282 MH