



Digital height gauge TESA MICRO-HITE + M with motorised drive including control panel, Type: M350



Order data

Order number	445290 M350
GTIN	7630041129953
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- μ 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.**

Standard:

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- μ reading system.**
- **Automatic correction of systematic measurement variations ensures very high accuracy. Coefficient of linear expansion equals that of steel.**

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 MH; 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.

Test certificate: Manufacturer's test certificate

Calibration: E2

Measuring range: 350 mm

maximum application range: 0 - 520 mm

Graduations can be switched over: 0.01 / 0.001 / 0.0001 mm

Error limit (L = meas. length in mm): $1.8 + 2L / 1000 \mu\text{m}$

Repeatability plane: $\leq 0.5 \mu\text{m}$

Repeatability hole: $\leq 1 \mu\text{m}$

Technical description

Graduations can be switched over	0.01 / 0.001 / 0.0001 mm
Weight	33 kg
Gauging force	1.6 ±0.25 N
maximum application range	0 - 520 mm
Error limit (L = meas. length in mm)	1.8 + 2L / 1000 µm
Repeatability hole	≤ 1 µm
Measuring range	350 mm
Repeatability plane	≤ 0.5 µm
Measurement slide movement	motorised
Rectangularity error (frontal)	7 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

Calibration Digital height gauge maximum measuring range 400 mm	014360 400
DAkkS calibration Digital height gauge maximum measuring range 400 mm	014600 400
	018940

Labelling laser-etched Type	
DAkKS calibration Digital height gauge maximum measuring range 400 mm	024010 400
Calibration Digital height gauge maximum measuring range 400 mm	024000 400

Accessories

Radio receiver TWIN Station Type STATION	498917 STATION
Thermal paper for USB printer	445294
Contact point set large Number of probe tips	445267
Multi-receiver / USB keyboard interface Type	498975
Data cable TLC, 2 m Type USB	498918 USB
Receiver / USB keyboard interface Type	498965
Transmitter Type S121	498966 S121
Stat-Express software	498926
Software Data-Direct	498925
Contact point set small Number of probe tips	445266
Radio transmitter TLC-TWIN Type SENDER	498916 SENDER
USB printer for MICRO-HITE	445293
Battery block Type AKKU	445443 AKKU
Mains adapter Type MH	445282 MH