



TESA MICRO-HITE digital height gauge including control panel and fine adjustment, Type: 350



Order data

Order number	445287 350
GTIN	7630041129922
Item class	45B

Description

Version:

- **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.**

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.**

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 MH; dust cover; comprehensive range of 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): $2 + 2L / 1000 \mu\text{m}$

Repetition accuracy (2σ): $\leq 1 \mu\text{m}$

Rectangularity error (frontal): $7 \mu\text{m}$

Technical description

Repetition accuracy (2σ)	$\leq 1 \mu\text{m}$
maximum application range	0 - 520 mm
Error limit (L = meas. length in mm)	$2 + 2L / 1000 \mu\text{m}$
Weight	33 kg
Measuring range	350 mm
Measurement slide movement	manual

Graduations can be switched over	0.01 / 0.001 / 0.0001 mm
Gauging force	1.6 ±0.25 N
Rectangularity error (frontal)	7 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

Calibration Digital height gauge maximum measuring range 400 mm	014360 400
DAkkS calibration Digital height gauge maximum measuring range 400 mm	014600 400
DAkkS calibration Digital height gauge maximum measuring range 400 mm	024010 400
Calibration Digital height gauge maximum measuring range 400 mm	024000 400

Accessories

Data cable TLC, 2 m Type USB	498918 USB
Receiver / USB keyboard interface Type	498965
Transmitter Type S121	498966 S121
Thermal paper for USB printer	445294

Multi-receiver / USB keyboard interface Type	498975
Stat-Express software	498926
Contact point set large Number of probe tips	445267
Software Data-Direct	498925
Radio receiver TWIN Station Type STATION	498917 STATION
Radio transmitter TLC-TWIN Type SENDER	498916 SENDER
Contact point set small Number of probe tips	445266
USB printer for MICRO-HITE	445293
Battery block Type MH	445443 MH
Mains adapter Type MH	445282 MH