



Measuring supports and clamping equipment



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Measuring supports and clamping equipment

TESA measuring stands are designed to provide the best stability for holding instruments such as dial gauges, lever-type indicators, or probes.

Stability is a key criteria as it minimizes uncertainties related to the measuring method.

The wide range of measuring stands offers a selection based on the useful measuring arm's range, the fixing base, or the instrument's mounting type.

These various configurations enable the optimization of your measurement solution.

TESA measuring stands



Suction support with articulated arm



Magnetic supports with articulated arm



Tiltable magnetic support



Small magnetic support



Support with ground table



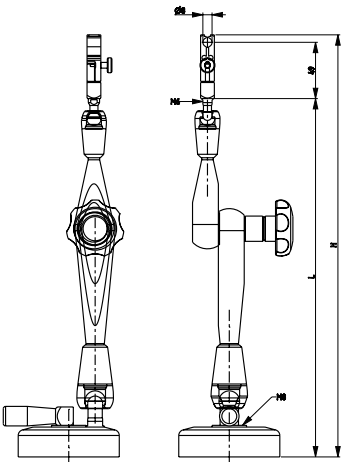
Support with granite table

Measuring supports and clamping equipment

Suction support with articulated arm



01639064



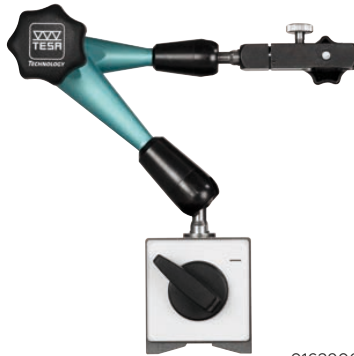
Material	Arm: Light alloy Base: Metallic
Dimensions	Base: Ø 88 x 28 mm
Function(s)	Suction controlled by lever switch Fine adjustment
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Base	Suction cup force: 300 N
Included in delivery	Articulated arm Clamp with fine adjustment Suction base Declaration of conformity User manual

Article number	Designation	Height mm	Length mm	Base dimensions mm	Suction cup force N
01639064	Suction support with articulated arm	365	280	Ø 88 x 28	300

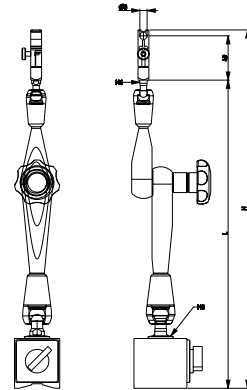


Supports with magnetic base

Magnetic supports with articulated arm



01639061



Material	Arm: Light alloy Base: Metallic
Function(s)	With switch to disengage the magnet Fine adjustment
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Base	V-shaped
Included in delivery	Articulated arm Clamp with fine adjustment Magnetic base Declaration of conformity User manual

Article number	Designation	Height mm	Length mm	Base dimensions, mm	Dimensions of V, mm	Magnetic force N
01639060	Magnetic support with articulated arm	220	130	34 x 30 x 35	Ø 27 ÷ 76	300
01639061	Magnetic support with articulated arm	310	200	60 x 50 x 55	Ø 30 ÷ 150	800
01639062	Magnetic support with articulated arm	390	280	60 x 50 x 55	Ø 30 ÷ 150	800
01639063	Magnetic support with articulated arm	445	330	73 x 50 x 55	Ø 30 ÷ 150	1000



01639060



01639061



01639062



01639063

Supports with magnetic base

Magnetic support with flexible arm



01639020

Material	Arm: Metallic Base: Metallic
Dimensions	Base: 50 x 60 x 55 mm
Function(s)	With switch to disengage the magnet
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Base	V-shaped, for Ø 30 ÷ 150 mm Magnetic force: 400 N
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm	Dimensions of V mm	Magnetic force N
01639020	Magnetic support with flexible arm	350	60 x 50 x 55	Ø 30 ÷ 150	400

Magnetic support EASY



01639070

Material	Arm: Metallic Base: Metallic
Dimensions	Base: 60 x 50 x 55 mm
Function(s)	With switch to disengage the magnet Fine adjustment
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Base	V-shaped, for Ø 30 ÷ 150 mm Magnetic force: 750 N
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm	Dimensions of V mm	Magnetic force N
01639070	Magnetic support EASY	450	60 x 50 x 55	Ø 30 ÷ 150	750

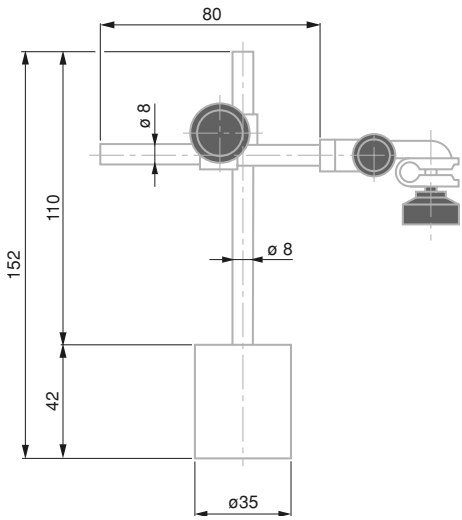


Supports with magnetic base

Magnetic support UJ15



01639007



Material	Arm: Metallic Base: Metallic
Dimensions	Base: Ø 35 x 42 mm
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 4 and Ø 8 mm
Base	Permanent magnet Magnetic force: 220 N
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm	Magnetic force N
01639007	UJ15 magnetic support	152	Ø 35 x 42	220



Magnetic support



01639010

Material	Arm: Metallic Base: Metallic
Dimensions	Base: Ø 30 x 25 mm Main axis: Ø 6 mm
Function(s)	Articulated arm, 360°
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 6 or Ø 8 mm
Base	Permanent magnet Magnetic force: 140 N
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm	Magnetic force N
01639010	Support with magnetic base, articulated arm	90	Ø 30 x 25	140

Supports with table

Measuring support with articulated arm



01639065

Material	Support: Light alloy
Dimensions	Granite: 300 x 200 mm
Function(s)	Fine adjustment
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Grade	0
Included in delivery	Articulated arm Clamp with fine adjustment Granite table User manual

Article number	Designation
01639065	Measurement support with articulated arm





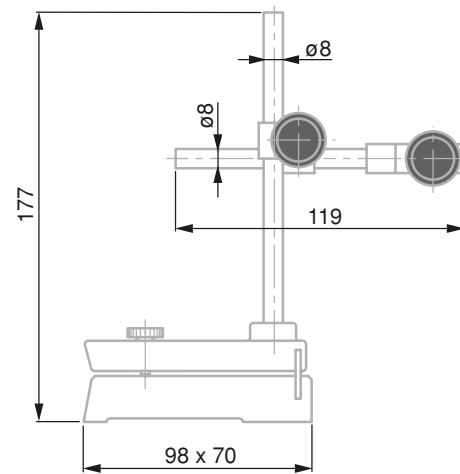
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Supports with table

Inclinable measuring support



01639003



Material	Arm: Metallic Base: Cast iron
Function(s)	Base with front support face
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm
01639003	Inclinable measuring support	177	98 x 70



Supports with table

UD12 measuring support



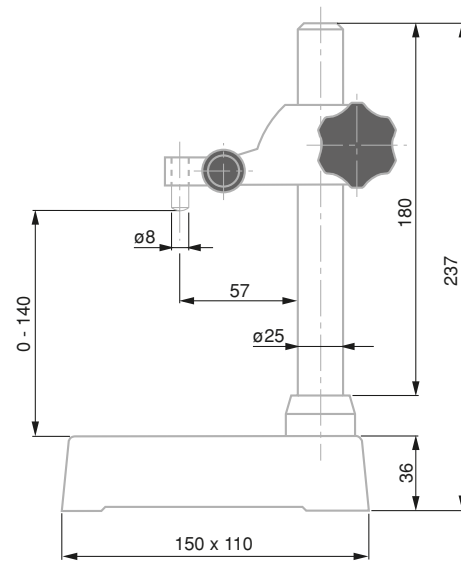
01639000

Material	Arm: Metallic Base: Cast iron
Function(s)	Support with lateral guiding faces T-slot for vertical column
Measuring instrument mount	Dovetail fixing bracket with circular clamping Ø 8 mm
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm
01639000	UD12 measuring support	243	200 x 55 x 35



Measuring support with UA1 ground surface table



Application range	0 ÷ 140 mm
Material	Table: Cast iron Column: Chrome steel Arm: Spheroidal graphite cast iron
Dimensions	Ground side: 100 x 100 mm
Function(s)	Column can be dismantled
Measuring instrument mount	Measuring arm with clamp Ø 8 mm
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Measuring face(s)	Material
01639008	UA1 measuring support with ground table	237	100 x 100	Base: Cast iron

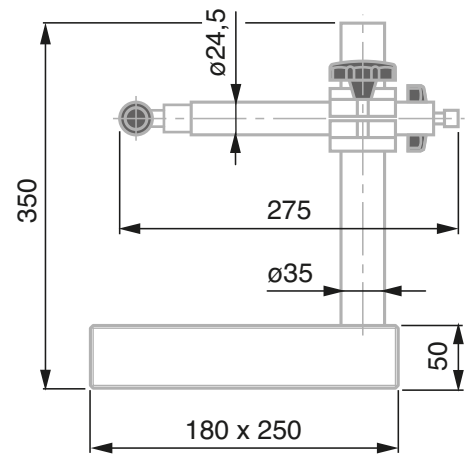


Supports with table

Measuring support with granite table



01639033



Application range	0 ÷ 260 mm
Material	Column: Chrome plated
Dimensions	Table: 180 x 250 x 50 mm Axis: Ø 35 mm Working surface: 180 x 200 mm
Function(s)	Horizontal sliding arm Fine adjustment
Measuring instrument mount	Circular clamping Ø 4 mm or Ø 8 mm for dovetail or lug
Grade	00
Flatness	3 µm
Included in delivery	Support Declaration of conformity

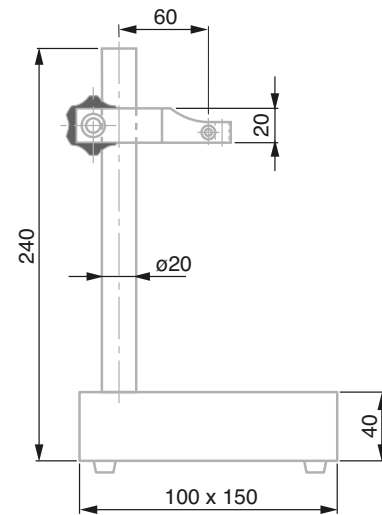
Article number	Designation	Height mm	Base dimensions mm
01639033	Measuring support with granite table	350	180 x 250 x 50



Measuring support with granite table



01639035



Application range	0 ÷ 170 mm
Material	Table: Granite Pole: Steel Holder: Aluminium
Dimensions	Base: 100 x 150 x 40 mm
Measuring instrument mount	Circular clamping Ø 8 mm
Grade	00
Flatness	3 µm
Included in delivery	Support Declaration of conformity

Article number	Designation	Height mm	Base dimensions mm	Application range mm
01639035	Measuring support with granite table	240	100 x 150 x 40	0 ÷ 170

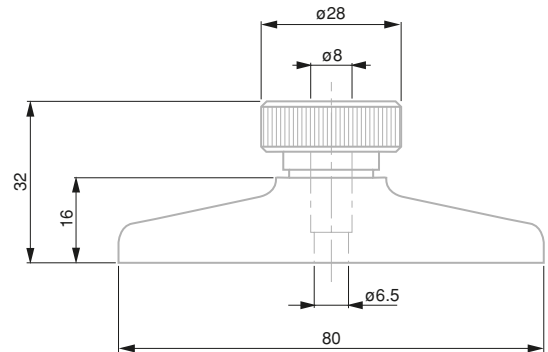


Depth foot

Depth foot with flat face

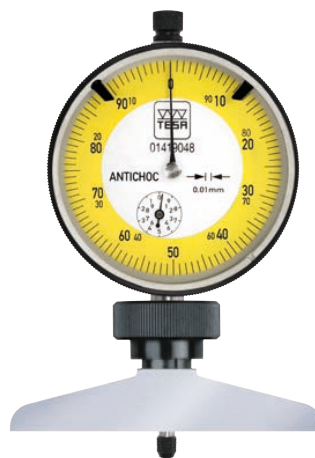


01639046



Material	Hardened steel
Dimensions	Measuring face: 80 x 16 mm
Measuring instrument mount	Mounting with clamping bracket Ø 8 mm
Measuring face(s)	Fine ground measuring face
Flatness	4 µm
Included in delivery	Support Declaration of conformity

Article number	Designation	Base dimensions mm
01639046	Depth foot with flat face	80 x 16

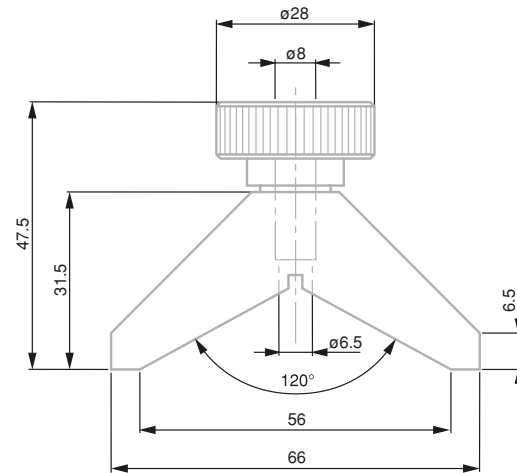




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Depth foot

Depth foot with V-shaped face



Material	Hardened steel
Dimensions	Measuring faces: 5 x 16 mm
Measuring instrument mount	Mounting with clamping bracket Ø 8 mm
Base	V-groove, for Ø 10 ÷ 100 mm
Measuring face(s)	Fine ground measuring faces
Flatness	6 µm
Included in delivery	Support Declaration of conformity

Article number	Designation	Base dimensions mm	Dimensions of V mm
01639047	Depth foot with V-shaped base	Each face: 5 x 16	Ø 10 ÷ 100



Fixing blocks

Measurement base for squares



05360030

Material	Base: Light alloy
Dimensions	Base: 200 x 100 mm Drilling: 20 x 20 mm with M5 thread
Parallelism	0,5 µm
Flatness	0,5 µm
Included in delivery	Base Stop-bar Mounting bracket SCS calibration certificate

Article number	Designation	Base dimensions mm
05360030	Base square check	200 x 100



Swivel clamps



01860401

Article number	Designation
01860401	Clamp with dovetail mount, clamping = Ø 5,6 and Ø 9,5 mm
01860402	Clamp with dovetail mount, clamping = Ø 7 and 9,5 mm
074108603	Clamp with dovetail mount, clamping = Ø 7/32 and 5/32 in

Rotating holder

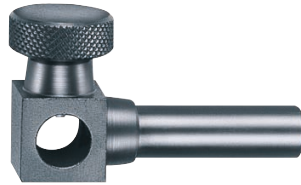


SPT

Article number	Designation
SPT	Rotating support, shaft = Ø 8 x 25 mm, clamping = Ø 4,1 mm

Fixing accessories

Squares holders



01840406



01850406

Article number	Designation
01840406	Bracket support, shaft = Ø 8 x 25 mm, clamping = Ø 8 mm
01850406	Bracket support, shaft = Ø 3/8 x 3.5 in, clamping = Ø 3/8 in

Swivel holders



01840404



01840407



01850404



01840405

Article number	Designation
01840404	Swivel holder with dovetail mount, shaft = Ø 8 x 25 mm
01850404	Swivel holder with dovetail grip, shaft = Ø 3/8 x 1 in
01840405	Swivel holder with dovetail clamp, shaft = Ø 8 x 90 mm
01850405	Swivel holder with dovetail grip, shaft = Ø 3/8 x 3-5/8 in
01840407	Swivel holder with dovetail grip, fine adjustment device, shaft = Ø 8 x 125 mm
074106026	Swivel holder with dovetail grip, shaft = Ø 8 x 133 mm, clamping = Ø 4 and Ø 7 mm
074106931	Swivel holder with dovetail grip, shaft = Ø 3/8 x 5-1/4 in, clamping = Ø 4 and Ø 7 mm
074106331	Swivel holder with dovetail grip, shaft = 6 x 12,6 x 76 mm, clamping = Ø 4 and Ø 5,5 mm

Fixing rod with pin



01840202



01850203



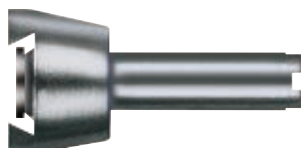
074111481

Article number	Designation
01840202	Fixing rod, pin = Ø 5,6 mm, shaft = 8 x 80 mm
01850202	Fixing rod, pin = Ø 7/32 in, axis = Ø 3/8 x 3.5 in
01850203	Fixing rod, pin = Ø .22 in, shaft = 1/4 x 1/2 x 3 in
074111481	Fixing rod, pin = Ø 5/32 in, pole = 3/16 x 5/16 in

Rigid fixing rods with dovetail attachment



01840105



01840104

Article number	Designation
01840104	Dovetail fixing rod, shaft = Ø 4 x 13 mm
01840105	Dovetail fixing rod, shaft = Ø 8 x 13 mm
01850104	Dovetail fixing rod, shaft = Ø 5,55 x 13 mm
01850105	Dovetail fixing rod, shaft = Ø 6,35 x 13 mm
01860008	Dovetail fixing rod, axis = Ø 6 x 13 mm

Fixing accessories

Swivelling fixing rods with dovetail attachment



01840408

Article number	Designation
01840408	Dovetail fixing rod, swivelling, shaft = Ø 4 x 64,35 mm
01840409	Dovetail fixing rod, swivelling, shaft = Ø 8 x 64,35 mm

Centering holder



01840501

Article number	Designation
01840501	Centering holder, shaft = Ø 4 x 25 mm, clamping = Ø 4 mm

Mounting backs for DIALTRONIC dial gauges



01960100

Article number	Designation	Composed of
01960100	Back with central lug, for DIALTRONIC dial gauge	Mounting back 4x M2 x 4 mm screw

Mounting backs for analogue dial gauges



01462004

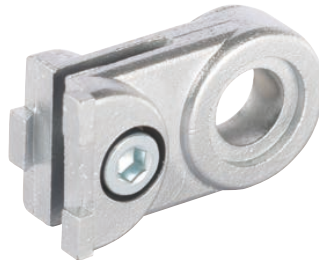


01460020

Article number	Designation	Composed of
01462004	Back with central lug, for IP40 dial gauges with Ø 40 or Ø 44,5 mm dial	Mounting back 3x M1,5 x 4 mm screw
01462005	Back with central lug, for IP40 dial gauges with Ø 58 or Ø 61,5 mm dial	Mounting back 3x M2 x 4 mm screw
01460020	Back with central lug, for IP67 dial gauges with Ø 40 or Ø 44,5 mm dial	Mounting back 3x M2 x 6 mm screw
01460021	Back with central lug, for IP67 dial gauges with Ø 58 or Ø 61,5 mm dial	Mounting back 3x M3 x 5,5 mm screw

Fixing accessories

Mounting backs for lever-type test indicators



03238013

Article number	Designation
03238013	Dovetail mounting lug, Ø 6,4 mm

Reducing sleeves



074108942

Article number	Designation
074108942	Reducing sleeve, Ø 8 mm - Ø 4 mm
074108943	Reducing sleeve, Ø 3/8 in - Ø 5/32 in
03560101	Reducing sleeve, Ø 9,5 mm - Ø 8 mm



2-point measurement



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K-1

UNIMASTER model, metric

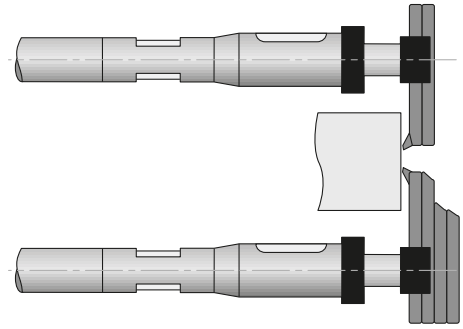
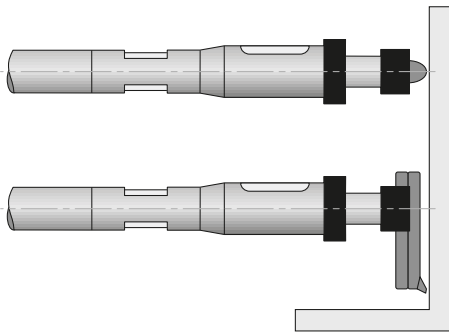
- MEASUREMENT
 - Internal or external
 - Direct or comparative
 - No need for expensive setting standard thanks to the included standard
 - Constant measuring force for optimal repeatability
- INSTRUMENT
 - Incorporates a dial test indicator for easy detection of the culmination point
 - Interchangeable measuring inserts
 - Ensures stable measuring owing to a negligible deflection of the instrument
 - Thermal protection against hand warmth of the operator
 - Integrated shockproof system
- USE
 - Portable for use on large work pieces that cannot be transported to the laboratory
 - Easy to handle because it can be positioned both horizontally and vertically



01110001

Standard	DIN 863 T4
Measuring range	Vernier: 25 mm Dial gauge: $\pm 0,4$ mm
Max. perm. errors	Measurement element: $5\text{ }\mu\text{m}$ + error of each extension + error depending on the number of extensions used Error depending on the number of extensions used 1 extension: $1,1\text{ }\mu\text{m}$ 2 extensions: $1,9\text{ }\mu\text{m}$ 3 extensions: $4,4\text{ }\mu\text{m}$
Resolution	0,01 mm
Material	Inserts: Tungsten Carbide Extensions: Steel
Thread pitch	1 mm
Measuring force	$15 \div 20$ N
Remark(s)	Use of up to 3 extension cables with the measuring element
Included in delivery	Measuring element Extensions Masterpiece Measuring inserts Calibration certificate for the setting standard Measurement report for the measuring element Measurement report for each extension Declaration of conformity User manual

Large dimensions measurement



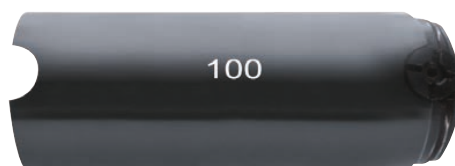
Article number	Designation	Application range mm
01110000	UNIMASTER, set without 1000 mm extension	Internal: 250 ÷ 1625, external: 225 ÷ 1600
01110001	UNIMASTER, set with 1000 mm extension	Internal: 250 ÷ 2325, external: 225 ÷ 2300

Accessories

Article number	Designation
01112401	UNIMASTER wheeled case
01130001	Screwdriver UNIMASTER

UNIMASTER sets

Article number	Description	Measurement	01110000	01110001
01110300	Measurement element	Internal: 250 ÷ 275 mm External: 225 ÷ 250 mm	•	•
01110101	Extension, L = 25 mm		•	•
01110102	Extension, L = 50 mm		•	•
01110103	Extension, L = 75 mm		•	•
01110104	Extension, L = 100 mm		•	•
01110105	Extension, L = 125 mm		•	•
01110106	Extension, L = 150 mm		•	•
01110112	Extension, L = 300 mm		•	•
01110118	Extension, L = 450 mm		•	•
01110124	Extension, L = 600 mm		•	•
01110140	Extension, L = 1000 mm		•	•
01110203	Pair of inserts	Internal	•	•
01110205	Pair of inserts, L = 75 mm	Internal External	•	•
01110208	Pair of inserts, L = 100 mm	Internal External	•	•
01110501	Setting standard	Internal: 250 mm External: 225 mm	•	•
01130001	Screwdriver		•	•
01110401	Set of suspension accessories (4 brackets and 4 clamps)		•	•
01112401	Wheeled case		•	•

Extensions for UNIMASTER


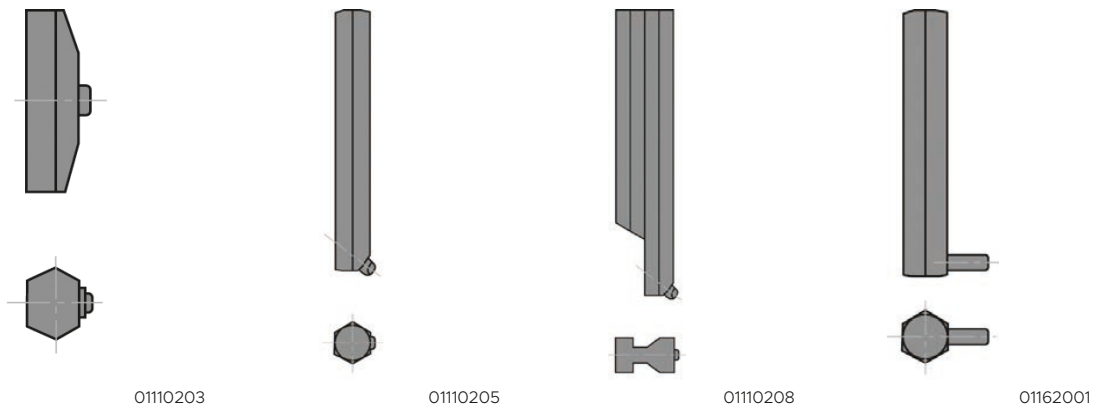
01110104

Max. perm. errors	Measurement element: 5 μm + error of each extension + error depending on the number of extensions used Error depending on the number of extensions used 1 extension: 1,1 μm 2 extensions: 1,9 μm 3 extensions: 4,4 μm
Material	Steel
Diameter	$\varnothing$ 38 mm
Remark(s)	Use of up to 3 extension cables with the measuring element
Included in delivery	Extension Calibration certificate

Article number	Designation	Max. perm. errors μm
01110101	UNIMASTER extension, L = 25 mm	0,7
01110102	UNIMASTER extension, L = 50 mm	1
01110103	UNIMASTER extension, L = 75 mm	1,2
01110104	UNIMASTER extension, L = 100 mm	1,5
01110105	UNIMASTER extension, L = 125 mm	1,5
01110106	UNIMASTER extension, L = 150 mm	2
01110112	UNIMASTER extension, L = 300 mm	3,5
01110118	UNIMASTER extension, L = 450 mm	4,5
01110124	UNIMASTER extension, L = 600 mm	6,5
01110140	UNIMASTER extension, L = 1000 mm	10

Large dimensions measurement

Measuring bolts for UNIMASTER



Article number	Designation
01110203	Pair of inserts for internal measurement
01110205	Pair of inserts for internal and external measurement, L = 75 mm
01110208	Pair of inserts for internal and external measurement, L = 100 mm
01162001	Pair of inserts for internal, external and grooves measurement, depth ≤ 20 mm, Ø 4 x 7 mm

Other accessories for UNIMASTER



Article number	Designation
01110401	Set of suspension accessories (4 brackets and 4 clamps)
01160001	Roller (2 items are needed)

VERIBOR light models

- MEASUREMENT
 - 2-point measurement
 - For comparative measurement
- INSTRUMENT
 - Gauge body made of Invar steel to neutralise the influence of the operator's hand warmth
 - Centring shoe for correct alignment of the instrument in the bore
 - Tungsten Carbide ball tips for high resistance to wear
 - Can be used with a dial gauge, a precision indicator, or a probe with Ø 8 mm



05710090

Max. perm. errors	4 µm
Repeatability	2 µm
Compatibility	Fixation for accessory: Ø 8 mm
Material	Measuring bolts: hardened steel Anvils: hardened steel
Included in delivery	VERIBOR (without dial gauge) Set of interchangeable fixed inserts Declaration of conformity

The metrological values are given for the VERIBOR light only, without including the dial gauge mounted on it.

Article number	Designation	Measuring range mm	Application range mm
05710090	VERIBOR light bore gauge	1,3	18 ÷ 35
05710091	VERIBOR light bore gauge	1,4	35 ÷ 60
05710092	VERIBOR light bore gauge	1,4	50 ÷ 150
05710093	VERIBOR light bore gauge	1,3 / 1,4	18 ÷ 150

Bore measurement

VERIBOR models

- MEASUREMENT
 - 2-point measurement
 - For comparative measurement
- INSTRUMENT
 - Gauge body made of Invar steel to neutralise the influence of the operator's hand warmth
 - Centring shoe for correct alignment of the instrument in the bore
 - Tungsten Carbide ball tips for high resistance to wear
 - Can be used with a dial gauge, a precision indicator or a probe with Ø 8 mm

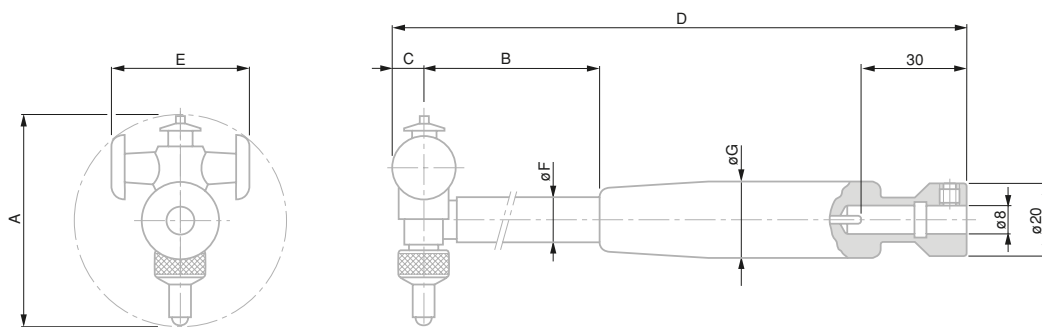
Max. perm. errors	2 µm
Repeatability	0,5 µm
Compatibility	Fixation for accessory: Ø 8 mm
Material	Measuring bolts: Tungsten Carbide Anvils: Tungsten Carbide
Included in delivery	VERIBOR (without dial gauge) Set of interchangeable fixed inserts Declaration of conformity



05710012

The metrological values are given for the VERIBOR only, without including the dial gauge mounted on it.

Article number	Designation	Max. perm. errors, µm	Measuring range, mm	A mm	B mm	C mm	D mm	E mm	F mm
05710012	VERIBOR bore gauge	2	0,35	4,5 ÷ 6	74	2	138	3,3	3,8
05710013	VERIBOR bore gauge	2	0,5	6 ÷ 12,5	93	2,6	156	4,3	4,9
05710014	VERIBOR bore gauge	2	0,9	12 ÷ 25	106	4,5	194	7,8	7,9
05710015	VERIBOR bore gauge	2	1,3	25 ÷ 50	140	6	228	16	8
05710016	VERIBOR bore gauge	2	1,4	50 ÷ 150	173	10	279	36	12
05710018	VERIBOR bore gauge	2	1,4	50 ÷ 300	173	10	279	36 / 66	12
05710017	VERIBOR bore gauge	2	1,6	240 ÷ 550	227	14	347	112	18



Depth extensions for VERIBOR



05760027

Compatibility

For VERIBOR $25 \leq \varnothing \leq 550$ mm

Article number	Designation
05760026	VERIBOR extension, L = 250 mm
05760027	VERIBOR extension, L = 500 mm
05760028	VERIBOR extension, L = 750 mm
05760029	VERIBOR extension, L = 1000 mm

Extensions set for VERIBOR



05740001

Compatibility

Compatible only with VERIBOR n° 05710016

Article number	Designation
05740001	Set of VERIBOR extensions

Height gauges



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Monitoring operations in the manufacturing process

Why carry the workpieces from a distant measuring room when they can be inspected almost on the spot?

The vertical measurement systems are 1D instruments, usually placed on a granite table, defining a reference plane, devoted to the determination of various characteristics such as height, thickness, depth, internal/external diameter. This is dependant upon the configuration of the associated measuring probe.

The range of TESA height gauges is primarily distinguished by the variety of models available, but also by the many possibilities for applications where these instruments offer genuine performance solutions. Designed for process control of manufacturing operations or directly on a machine tool, they also provide a safe measurement when parts of the dimensions are critical.



A complete family that meets the needs of demanding users

TESA-HITE & TESA-HITE MAGNA range

The height gauges of this range are specially designed for workshop measurement, where ensuring quality metrology is in generally complicated. These instruments are often subject to harsh environmental factors such as temperature, projections, etc.

MICRO- HITE range

These high-end 2D height gauges are intuitive due to the clear and refined user philosophy of their embedded software. They are reliable and robust universal machines, developed for workshops that can be integrated as close as possible to the user. Multifunctional, they are a metrological “multi-user” asset, that replaces the most conventional measuring tools.

μ-HITE range

Compact measuring station, the perfect compromise for measuring small parts or applications requiring a low measuring force. Based on the comparator principle (coaxial measuring according to the ABBE principle) it achieves extremely fine precision, a characteristic that is often essential for laboratory use.



Height gauges

The safety of a quality product, guaranteed benefits

Since their development phase, TESA height gauges are subject to strict internal standards aligned with the most restrictive national standards. Thanks to this close monitoring, all TESA height gauges meet the QUALITY requirements that we strive to keep as sharp as possible.

For this reason, our measurement laboratory meets the requirements for SCS accreditation (Swiss Calibration Service). Each instrument in this product line is therefore delivered with a free SCS certificate, making our products meet the requirements of many central laboratories through ILAC cooperation (International Laboratory Accreditation & Cooperation). Any hidden additional extra cost due to a re-certification of the instrument after purchase is avoided.



Calibration laboratory for TESA height gauges

A philosophy of use for everyone

With their refined user interface, ergonomic panel and contextual help button, the TESA height gauges are designed to be quickly accessible to any user profile.

The required learning time is short and autonomy of use is often achieved in less than a day.

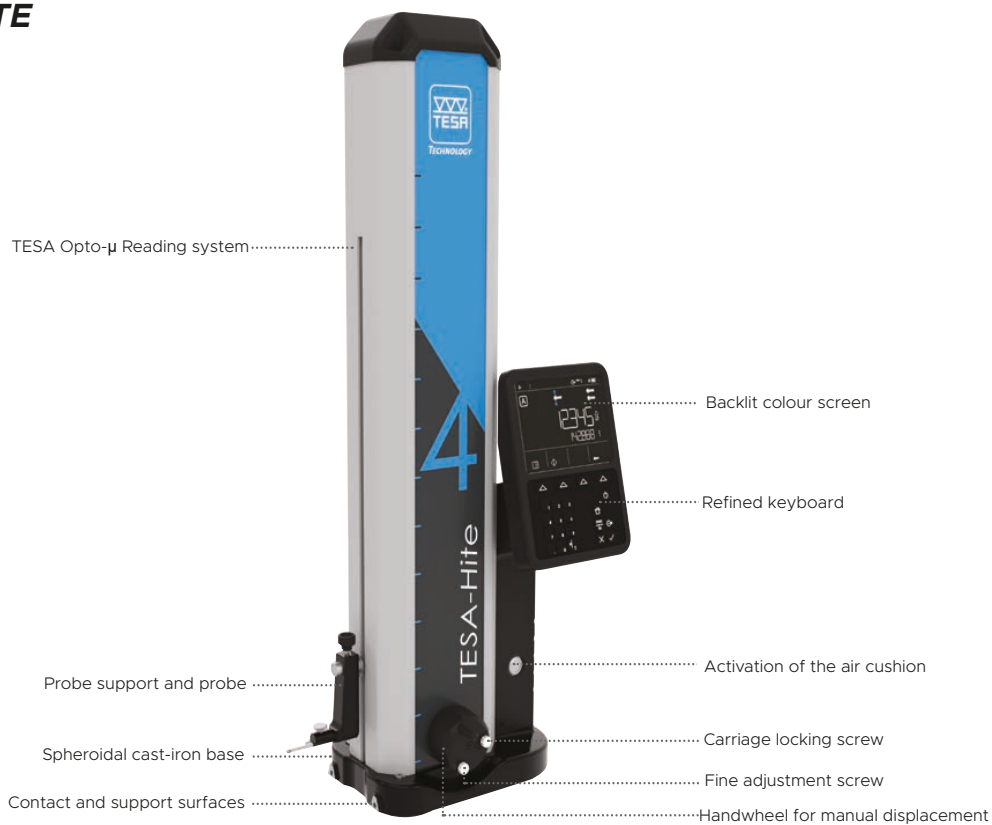


Two panels, one philosophy
For TESA-HITE (left) and for MICRO-HITE or μ -HITE (right)

MICRO-HITE+M

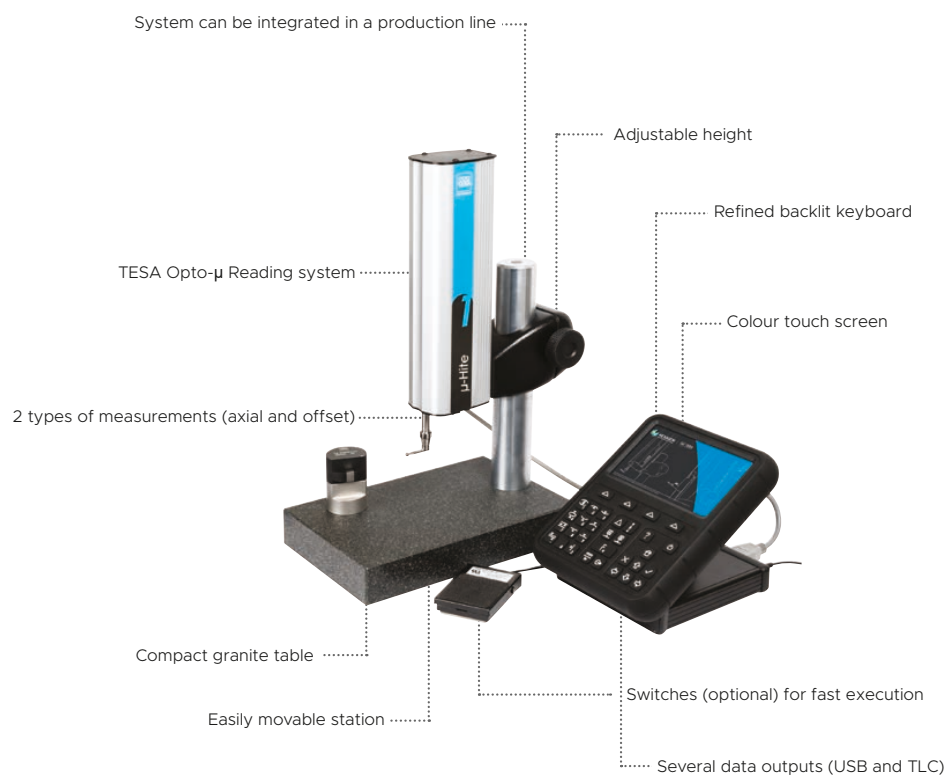


TESA-HITE



Height gauges

TESA μ -HITE



Height gauges



		μ-HITE	TESA-HITE MAGNA		TESA-HITE		
	Part number	00730502* 00730503*	00730082	00730083	00730084	00730085	
Type	Manuel displacement	•	•	•	•	•	
	Motorised displacement						
Precision	Max. permissible errors μm, L in mm	Axial: ≤1 Offset: ≤2 Surface: ≤0,5 Arc: ≤1	≤8	≤8	2,5+4L/1000	2,5+4L/1000	
	Repeatability (2σ), μm		Surface: ≤3 Arc: ≤5	Surface: ≤3 Arc: ≤5	Surface: ≤2 Arc: ≤3	Surface: ≤2 Arc: ≤3	
	SCS Certificate	•	•	•	•	•	
Instrument	Size, mm	100	400	700	400	700	
	Air cushion				•	•	
	Fine adjustment		•	•	•	•	
	Adjustable panel arm						
Accessories	Probe support Ø 6 mm		•	•	•	•	
	Axial probe holder for insert M2,5	•					
	Ball tip insert, Ø 5 mm, tungsten carbide		•	•	•	•	
	Axial ball tip insert, Ø 3 mm, tungsten carbide ball tip	•					
	Masterpiece 6,35 mm / .25 in	•	•	•			
	Masterpiece 12,7 mm / .5 in	•			•	•	
Power supply	Integrated rechargeable battery		•	•	•	•	
	Rechargeable interchangeable battery						
	Charger	•	•	•	•	•	
	Power cables EU, US, UK	•	•	•	•	•	
Functionalities	Single probing, culmination point	•	•	•	•	•	
	Double probing, bore, axis, groove, rib	•	•	•	•	•	
	Perpendicularity, straightness				With external display	With external display	
	Min, max, delta	•	•	•	•	•	
	Angle	•					
	2D	•					
	Integrated calculator, configurable functions	•					
	Reference(s)	2	1	1	1	1	
	Distance, midpoint	•	•	•	•	•	
	Tolerancing, Go-NoGo report	•					
	Context-based help	•	•	•	•	•	
	Preset	•	•	•	•	•	
	Programs' management	•					
	Manual or automatic data transmission	•	•	•	•	•	
	Data backup on USB stick (txt)	•					
	Sending data through TLC port	•	•	•	•	•	
	Screenshot	•					
	Customizable interface		•	•	•	•	

*The metrological specifications for these instruments are valid only for the measuring head and not for the complete system.

Height gauges



100

MICRO-HITE

- **PANEL**
 - Hybrid with colour touch screen and keyboard
 - Refined keyboard for easy handling without confusion
 - Adjustable support for optimal reading of the screen at any time
- **AUTONOMY**
 - Rechargeable interchangeable battery
 - Infinite operative with a backup battery
- **MEASUREMENT**
 - Patented QUICKCENTER technology integrated to efficiently determine the culmination points
 - Advanced functions for a multi-task instrument, accessible to all users
 - Context-based help to avoid incorrect use and bad results
 - Clear results to decrease possible errors due to bad interpretation of the displayed results
- **INSTRUMENT**
 - Robust construction to ensure longevity and stability of results over time
- **DATA MANAGEMENT**
 - Sending values to computer via TLC port

Automatic creation of pdf reports or txt file on USB stick

- Data printing via USB printer

- **SCS CALIBRATION CERTIFICATE**
 - Free SCS Certificate supplied with purchase to avoid any additional extra costs for calibration of the instrument directly after purchase



00730074

Standard	Factory standard
Resolution	0,0001 / 0,001 / 0,01 mm .00001 / .0001 / .001 in
Zero	Fixed
Coefficient of linear expansion	11,5 x 10-6 K-1
Material	Base and frame: cast iron
Panel	Colour & touch screen, 84 x 152 mm Keyboard: backlit
Weight	Model 350: 33 kg Model 600: 37 kg Model 900: 45 kg
Power supply	Power connection Rechargeable interchangeable battery
Data output(s)	TLC, USB
Function(s)	Measuring probe can be manually displaced with a displacement wheel Air cushion system
Execution	Manual
Autonomy	8 hours (with a battery block) Infinite (with 2 battery blocks)
Included in delivery	SCS calibration certificate Declaration of conformity
Measuring force	1,6 ± 0,25 N
Units	mm / in

2D height gauges

Part number	Designation	Measuring range, mm	Max. perm. errors, μm	Repeatability limit, μm	Max. perm. perp. error, μm	Measuring force, N	Weight kg	Fine adjustment
00730073	MH 350	365	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 5 Lateral: 5	$1,6 \pm 0,25$	33	Without
00730074	MH 600	615	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 5 Lateral: 5	$1,6 \pm 0,25$	37	Without
00730075	MH 900	920	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 9 Lateral: 9	$1,6 \pm 0,25$	45	Without
00730076	MH 350F	365	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 5 Lateral: 5	$1,6 \pm 0,25$	33	With
00730077	MH 600F	615	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 7 Lateral: 7	$1,6 \pm 0,25$	37	With
00730078	MH 900F	920	2 + 2L	On surface: ≤ 1 On arc: ≤ 1	Frontal: 9 Lateral: 9	$1,6 \pm 0,25$	45	With

Accessories

Part number	Designation
00760222	Holder for accessories
00760140	IG13 probe + holder
00760235	USB printer
00760250	Thermal paper (4 rolls)
00760124	Practice piece
00760151	Dust cover, 350 mm
00760152	Dust cover, 600 mm
00760153	Dust cover, 900 mm
04981001	DATA-DIRECT software
04981002	STAT-EXPRESS software
DATA-VIEWER	Free data acquisition software
04760183	TLC-BLE Bluetooth® emitter + USB dongle receiver + 1,5 m extension cable set
04760184	TLC-BLE Bluetooth® emitter
04760185	USB receiver + 1,5 m extension cable
00760249	Cleaning liquid for granite table, 1 L
00760256	Rechargeable battery block
00760258	14 V charger + adapter
062473	MICRO-HITE 350 and MICRO-HITE+M 350 packaging
062474	MICRO-HITE 600 and MICRO-HITE+M 600 packaging
062475	MICRO-HITE 900 and MICRO-HITE+M 900 packaging



MICRO-HITE+M

- **PANEL**
 - Hybrid with colour touch screen and keyboard
 - Refined keyboard for easy handling without confusion
 - Adjustable support for optimal reading of the screen at any time
- **AUTONOMY**
 - Rechargeable interchangeable battery
 - Infinite operative with a backup battery
- **MEASUREMENT**
 - Patented QUICKCENTER technology integrated to efficiently determine the culmination points
 - Advanced functions for a multi-task instrument, accessible to all users
 - Context-based help to avoid incorrect use and bad results
 - Clear results to decrease possible errors due to bad interpretation of the displayed results
- **INSTRUMENT**
 - Robust construction to ensure longevity and stability of results over time
 - Intelligent hand-wheel that integrates the FEEL&MOVE technology for fast and precise probe positioning.
- **DATA MANAGEMENT**
 - Sending values to computer via TLC port
 - Automatic creation of pdf reports or txt file on USB stick
 - Data printing via USB printer
- **SCS CALIBRATION CERTIFICATE**
 - Free SCS Certificate supplied with purchase to avoid any additional extra costs for calibration of the instrument directly after purchase



00730080

Standard	Factory standard
Resolution	0,0001 / 0,001 / 0,01 mm .00001 / .0001 / .001 in
Zero	Fixed
Coefficient of linear expansion	11,5 x 10 ⁻⁶ K ⁻¹
Material	Base and frame: cast iron
Panel	Colour & touch screen, 84 x 152 mm Keyboard: backlit
Weight	Model 350: 33 kg Model 600: 37 kg Model 900: 45 kg
Power supply	Power connection Rechargeable interchangeable battery
Data output(s)	TLC, USB
Function(s)	Measuring probe can be displaced (motorised) with a displacement wheel Air cushion system
Execution	Motorised
Autonomy	8 hours (with a battery block) Infinite (with two battery blocks)
Included in delivery	SCS calibration certificate Declaration of conformity
Measuring force	1,6 ± 0,25 N
Units	mm / in

2D height gauges

Part number	Designation	Measuring range, mm	Max. perm. errors, μm	Repeatability limit μm	Max. perm. perp. error, μm	Measuring force, N	Weight kg
00730079	MH+M 350	365	1,8 + 2L	On surface: $\leq 0,5$ On arc: ≤ 1	Frontal: 5 Lateral: 5	$1,6 \pm 0,25$	33
00730080	MH+M 600	615	1,8 + 2L	On surface: $\leq 0,5$ On arc: ≤ 1	Frontal: 7 Lateral: 7	$1,6 \pm 0,25$	37
00730081	MH+M 900	920	1,8 + 2L	On surface: $\leq 0,5$ On arc: ≤ 1	Frontal: 9 Lateral: 9	$1,6 \pm 0,25$	45

Accessories

Part number	Designation
00760222	Holder for accessories
00760140	IG13 probe + holder
00760235	USB printer
00760250	Thermal paper (4 rolls)
00760124	Practice piece
00760151	Dust cover, 350 mm
00760152	Dust cover, 600 mm
00760153	Dust cover, 900 mm
04981001	DATA-DIRECT software
04981002	STAT-EXPRESS software
DATA-VIEWER	Free data acquisition software
04760183	TLC-BLE Bluetooth® emitter + USB dongle receiver + 1,5 m extension cable set
04760184	TLC-BLE Bluetooth® emitter
04760185	USB receiver + 1,5 m extension cable
00760249	Cleaning liquid for granite table, 1 L
00760256	Rechargeable battery block
00760258	14 V charger + adapter
062473	MICRO-HITE 350 and MICRO-HITE+M 350 packaging
062474	MICRO-HITE 600 and MICRO-HITE+M 600 packaging
062475	MICRO-HITE 900 and MICRO-HITE+M 900 packaging



TESA-HITE

- **PANEL**
 - Protected against the penetration of liquids or dust (IP65)
 - Big colour screen for better reading in dimly lit surroundings
 - Black display background for excellent contrast
 - Large numbers displayed on the screen (21 mm) for optimal readability
 - Keyboard with few buttons for easy learning without confusion
- **AUTONOMY**
 - Long battery life (60h) to avoid too frequent recharging
- **MEASURE**
 - Philosophy of use similar to tablets or smartphones
 - Quick access to the first measurement from start up (<4s) for a significant time saving
 - QUICKCENTER DYNAMIC technology integrated to efficiently determine the culmination points
 - Context-based help to avoid incorrect use and bad results
 - The interface can be customized according to the user's wishes
- **SCS CALIBRATION CERTIFICATE**
 - Free SCS certificate provided to avoid additional costs for re-calibration at the initial purchase



00730084

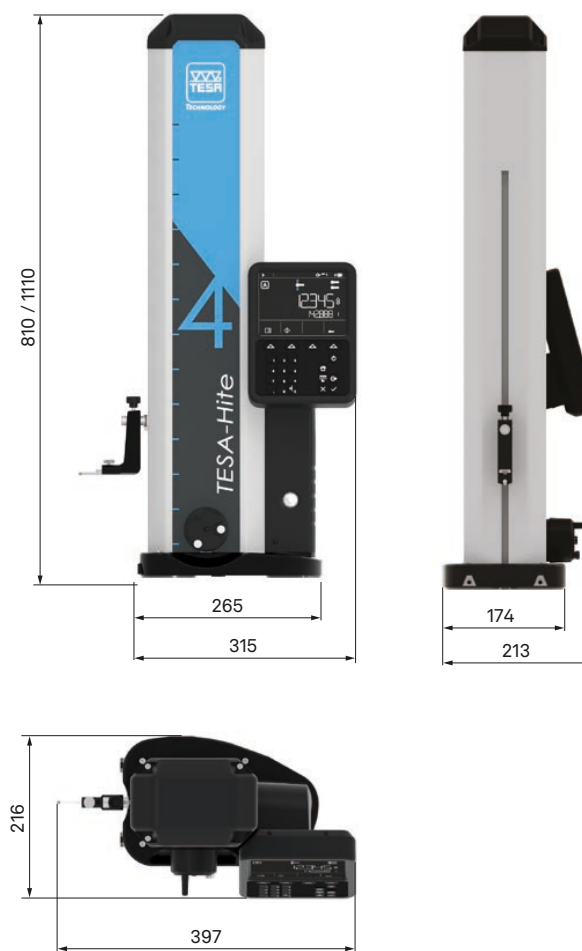
Standard	Factory standard
Resolution	0,0001 / 0,001 / 0,01 mm .00001 / .0001 / .001 in
Zero	Fixed
Coefficient of linear expansion	(12 ± 1,5) x 10 ⁻⁶ K ⁻¹
Material	Base: cast iron
Degree of protection	Panel: IP65
Particular characteristic(s)	Integrated fine adjustment Air cushion system
Panel	Panel: 155 x 210 x 43 mm Screen: colour, 121 x 92 mm Value on screen: 20 x 10 mm
Weight	Model 400: 24 kg Model 700: 30 kg
Power supply	Power connection Rechargeable interchangeable battery
Data output(s)	TLC
Function(s)	Manual displacement of the measuring probe
Execution	Manual
Autonomy	≈ 60 hours
Included in delivery	SCS calibration certificate Declaration of conformity
Measuring force	1,5 ± 0,5 N
Units	mm / in

1D height gauges

Part number	Designation	Measuring range, mm	Max. perm. errors, μm	Repeatability limit, μm	Max. perm. perp. error, μm	Measuring force, N	Weight kg
00730084	TH 400	415	2,5 + 4L	On surface: ≤ 2 On arc: ≤ 3	9	$1,5 \pm 0,5$	24
00730085	TH 700	715	2,5 + 4L	On surface: ≤ 2 On arc: ≤ 3	13	$1,5 \pm 0,5$	30

Accessories

Part number	Designation
00760124	Practice piece
00760152	Dust cover, 600 mm
00760153	Dust cover, 900 mm
04981001	DATA-DIRECT software
04981002	STAT-EXPRESS software
DATA-VIEWER	Free data acquisition software
04760183	TLC-BLE Bluetooth® emitter + USB dongle receiver + 1,5 m extension cable set
04760184	TLC-BLE Bluetooth® emitter
04760185	USB receiver + 1,5 m extension cable
00760249	Cleaning liquid for granite table, 1 L
00760258	14 V charger + adapter
S07610172	Travel case for TESA-HITE
063404	TESA-HITE 400 and TESA-HITE MAGNA 400 packaging
063405	TESA-HITE 700 and TESA-HITE MAGNA 700 packaging



TESA-HITE MAGNA

- **PANEL**
 - Protected against the penetration of liquids or dust (IP65)
 - Big colour screen for better reading in dimly lit surroundings
 - Black display background for excellent contrast
 - Large numbers displayed on the screen (21 mm) for optimal readability
 - Keyboard with few buttons for easy learning without confusion
- **AUTONOMY**
 - Long battery life (60h) to avoid too frequent recharging
- **MEASURE**
 - Philosophy of use similar to tablets or smartphones
 - Quick access to the first measurement from start up (<4s) for a significant time saving
 - Magnetic measuring system (patented) ensuring functioning in the extreme conditions of the workshop
 - QUICKCENTER DYNAMIC technology integrated to efficiently determine the culmination points
 - Context-based online help to avoid incorrect use and bad results
 - The interface can be customized according to the user's wishes
- **SCS CALIBRATION CERTIFICATE**
 - Free SCS certificate provided to avoid additional costs for re-calibration at the initial purchase



00730082

Standard	Factory standard
Resolution	0,001 / 0,005 / 0,01 mm .0001 / .0002 / .001 in
Zero	Fixed
Coefficient of linear expansion	$(12 \pm 1,5) \times 10^{-6} \text{ K}^{-1}$
Material	Base: cast iron
Degree of protection	Measuring system: IP55 Panel: IP65
Particular characteristic(s)	Integrated fine adjustment
Panel	Panel: 155 x 210 x 43 mm Screen: colour, 121 x 92 mm Value on screen: 20 x 10 mm
Weight	Model 400: 15 kg Model 700: 18 kg
Power supply	Power connection Rechargeable interchangeable battery
Data output(s)	TLC
Function(s)	Manual displacement of the measuring probe
Execution	Manual
Autonomy	≈ 60 hours
Included in delivery	SCS calibration certificate Declaration of conformity
Measuring force	$1,5 \pm 0,5 \text{ N}$
Units	mm / in