

**N** Factory standard

**000** 83 x 49 mm LC display, 7-decade plus minus sign. Also with graphical symbols for all active functions.

**000** 0,0001 mm or 0.00001 in

**B** 12 mm

**||||** Incremental glass scale, opto-electronic

**mm in** mm/in conversion

**1,5 ± 0,5 N** (at switch point)

**500 mm/s** 20 in/s

**A** Air-cushion for easy displacement over the surface plate.

**⚙️** Probing head mounted on a ball-bearing, hand wheel for head displacement, fine setting. Head drive carriage can be locked.

**RS232**

**🔋** Rechargeable batteries, 6V

**⌚** ≈ 60 h

**0** Fixed zero

## TESA-HITE 400 / 700

By their robustness and reliability, the TESA-HITE 400 and 700 provided with its optoelectronic incremental rule (TESA patented) measurement system are ideally suited for applications in the workshop.

Their battery power gives them full autonomy.

Each version allows, among other things, the entry height dimensions or staged, the diameter, the distance between two grooves or two holes and groove width.

- Integrated air-bearing for easy displacement across the granite plate.
- Electronics totally protected against oil and water splashing, dust particles (IP65).
- Control panel with numerical display to 0,0001 / 0,001 / 0,01 mm or 0.00001 / 0.0001 / 0.001 in.
- Dynamic probing of the workpiece with a constant measuring force.
- Easiness, high reliability when checking bores or shafts using TESA's unique device for automatic detection of the culmination point – patented.
- Acoustic signal to acknowledge value capture, also conveniently programmable.
- Ability to measure any deviation in parallelism.
- Possible use of a digital sensor for determining perpendicularity errors with stated angle of the linear regression line.
- Patented TESA's opto-electronic system. Long-lasting stability of the glass scale for unbroken high accuracy.
- Large LC display with symbols for the measuring functions.
- Zero-setting anywhere within the measuring range.
- PRESET function for entering any given value.
- Metric/inch conversion.
- RS 232 data output.
- SCS calibration certificate provided with each height gauge.



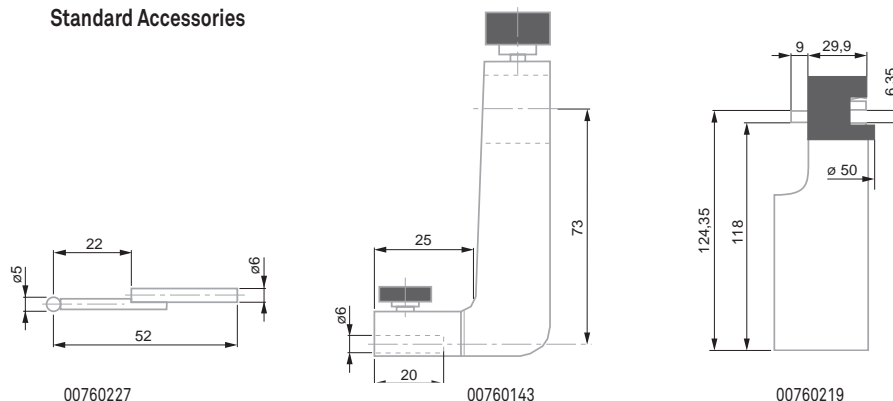
00730043	TESA-HITE 400	415	16
00730044	TESA-HITE 700	715	28
<b>CONSISTING OF:</b>		<b>400</b>	<b>700</b>
00760143	Standard probe insert holder	●	●
00760157	Rechargeable battery, 6V	●	●
00760219	Master piece for establishing the probe constant, nominal dimension to 6,350 mm / 0.250 in	●	●
00760226	Electric pump for creating the air-cushion beneath the gauge base, already mounted	●	●
00760227	Standard probe insert with shank and 5 mm dia. ball tip in tungsten carbide	●	●
04761054	Mains adapter 100 ÷ 200 VAC / 50 ÷ 60 Hz	●	●
04761055	Cable EU for mains adapter	●	●
04761056	Cable US for mains adapter	●	●
<b>OPTIONAL ACCESSORIES:</b>			
04761052	Extension cable, Sub-D 9p/f to 9p/m, 2 m		
04761063	Sub-D 9p/m to USB cable, 2 m		
04760070	RS port, used to connect a digital sensor for perpendicularity measurement		

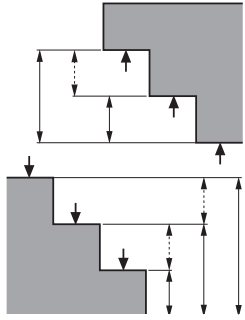
- Linear expansion  $(12 \pm 1,5) \times 10^{-6} K^{-1}$
- IP40, electronics to IP65 (IEC 60529)
- SCS calibration certificate

Technical data

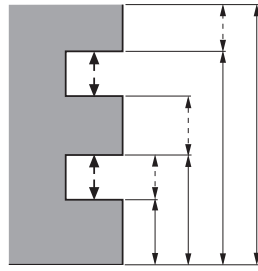
	Models	TESA-HITE 400	TESA-HITE 700
		415	715
		16	28
	With standard accessory	mm 0 ÷ 570	mm 0 ÷ 870
		in 0 ÷ 22	in 0 ÷ 34
	With probe insert holder No. 00760057	mm 0 ÷ 625	mm 0 ÷ 925
		in 0 ÷ 24	in 0 ÷ 36
	With probe insert holder No. S07001622	mm 0 ÷ 795	mm 0 ÷ 1095
		in 0 ÷ 31	in 0 ÷ 43
	With standard accessory	$(2,5 + 4 L) \mu m$ (L in m) $(0.0001 + 0.000004 L)$ in (L in in)	
	With standard accessory	On flat surfaces: $2\sigma < 2 \mu m / < 0.0001$ in Into bores: $2\sigma < 3 \mu m / < 0.00015$ in	
	Frontal, mechanical	$\mu m$ 9	$\mu m$ 13
		in 0.00035	in 0.0005
		kg 27	kg 32

Standard Accessories

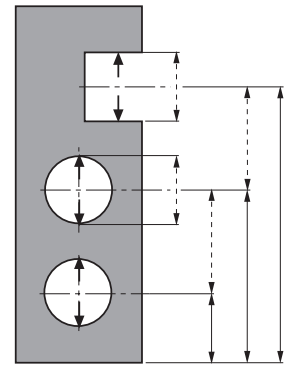




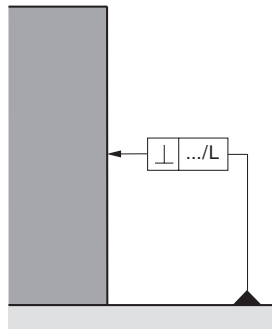
One-dimensional measurement



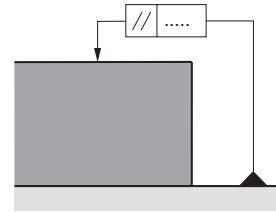
One-dimensional measurement



One-dimensional measurement



Perpendicularity measurement



Parallelism measurement



Squareness verification with inductive probe and TWIN-T10 display

