














TESA-HITE Plus M 400 / 700

The added value of the motorised TESA-HITE plus M 400 / 700 is not only noticeable in their technical features, but also in their ease of use. Combine with the programming function, this solution is ideal for recurrent measurements in the shop floor environment.

Advanced functions allow for complex calculations such as those required for two-axis or perpendicularity measurement. These height gauges with outstanding features offer the most attractive price/performance relationship, making them indispensable for the workshop.

- Wide application range.
- Electronics entirely protected from the penetration of liquids and dust particles.
- Integrated air cushion, mounted control panel.
- Easy, intuitive use of the rotary power control.
- Provide all the measuring functions of a dedicated motorised column, including height, diameter, distance, parallelism, perpendicularity, straightness, angle and 2D measurement besides programming, automatic probing cycles, statistical value processing.
- TESA's patented measuring system, opto-electronic.
- Probe insert holder and inserts compatible with those of TESA MICRO-HITE.
- SCS calibration certificate attached to each height gauge.



-  Factory standard
-  Dual LC display, 128 x 63 mm in size.
 - Upper display field for length values (7 segments/sign) also with symbols for the functions.
 - Lower full dot display field for perpendicularity and straightness along with symbols for all operator-controlled function keys.
 - 7 segment display plus minus sign for the measured values
-  0,0001 mm or 0.00001 in
-  Main display with a size to 12,7 x 6,4 mm or 6,3 x 4,2 mm for auxiliary display
-  Incremental glass scale, opto-electronic data capture
-  Mm/in conversion
-  1 N
-  Air bearing for easy displacement on the granite plate.
-  Measuring head mounted on a ball-bearing. Electro-motorised head displacement at varying speeds from 7,5 up to 40 mm/s. Manual displacement: ≤ 600 mm/s. Automatic value acquisition with a constant measuring force.
-  RS232
-  Rechargeable batteries, 6V
-  ≈ 60 h, full charging takes 8 hours
-  Fixed zero



- Linear expansion
(12 ± 1,5) x 10⁻⁶ K⁻¹
- IP40, IP65 for the
electronic control
panel (IEC 60529)
- SCS calibration
certificate

00730045	TESA-HITE plus M 400			405	16
00730046	TESA-HITE plus M 700			705	27
00730057	TESA-HITE plus M 400 + printer			405	16
00730058	TESA-HITE plus M 700 + printer			705	27
CONSISTING OF:				400	700
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	●	●		
OPTIONAL ACCESSORIES:					
04760070	RS port, used to connect a digital sensor for perpendicularity measurement				
04761052	Extension cable, Sub-D 9p/f to 9p/m, 2 m				
04761063	Sub-D 9p/m to USB cable, 2 m				
04765008	Thermal paper 57 MM				

Technical Data

	Models		TESA-HITE plus M 400	TESA-HITE plus M 700
		mm	405	705
		in	16	27
	With standard accessory	mm	0 ÷ 560	0 ÷ 860
		in	0 ÷ 22	0 ÷ 33
	With probe insert holder No. 00760057	mm	0 ÷ 615	0 ÷ 915
		in	0 ÷ 24	0 ÷ 35
	With probe insert holder No. S07001622	mm	0 ÷ 785	0 ÷ 1085
		in	0 ÷ 31	0 ÷ 42
	With standard accessory	µm	(2,5 + 3 L) µm (L in m)	
		in	(0.0001 + 0.000003 L) in (L in in)	
	With standard accessory		On flat surfaces: 2 σ = < 1 µm / < 0.00005 in	
			Into bores: 2 σ = < 2 µm / < 0.0001 in	
	Frontal, mechanical	µm	8	12
		in	0.00031	0.00047
		kg	27	32

Standard Accessories

