



TESA·hite 700

plus

SWISS MADE



TESA-HITE PLUS M

NEW GENERATION



**MOTORIZED VERSION
(2+3L) μm (L IN M)
INTEGRATED
AIR CUSHION
SCS CERTIFICATE**



HEXAGON METROLOGY

NEW TESA-HITE PLUS M 400/700

The new TESA-HITE plus M 400 and 700 emanate from a TESA's technology recognised since many years now for its superiority - a key element that contributes to guaranteeing exceptional PRICE/PERFORMANCE relationship. Widely appreciated by professionals who can rely on their capabilities, both TESA-HITE plus M 400 and 700 have the following main features:

- Wide application range
- Electronics fully protected against the penetration of liquids or dust particles
- Built-in air bearing
- New control panel with ergonomic design
- Easy-to-use, intuitive power control
- Geometric functions for 1D or 2D measurements
- Automatic programming and generation of the measurement cycles
- Statistical data processing
- Opto-electronic TESA measuring system, patented
- A variety of accessories compatible with all other height gauges made by TESA
- SCS calibration certificate provided free of charge
- Plus, of course, the guarantee to get a truly SWISS MADE product !



TECHNICAL DATA	TH plus M 400	TH plus M 700
Order number, without printer	00730045	00730046
Order number, with printer	00730057	00730058
Measuring span	405 mm / 16 in	705 mm / 27 in
Application range		
– with standard insert holder 00760143	560 mm / 22 in	860 mm / 33 in
Application range		
– with insert holder 00760057	615 mm / 24 in	915 mm / 35 in
Application range		
– with insert holder S07001622	785 mm / 31 in	1085 mm / 42 in
Max. permissible error	(2+3 L) µm (L en mm) (0.0001 + 0.000003L) in (L en in)	
Repeatability	Flat surfaces : 2s=<1µm / 2s=<0.00005 in Holes : 2s=<2µm / 2s=<0.0001 in	
Max. perpendicularity error		
– Frontal, mechanical	8 µm / 0.000031 in	12 µm / 0.0047 in
Resolution	0,0001 / 0,001 / 0,01 mm .00001 / .0001 / .001 in	
Displacement speed	600 mm/s	600 mm/s
Measuring force	1,0 N ± 0,5 N (acoustic signal)	
Autonomy	60 h	60 h
Mass	27 kg	32 kg
Air cushion	•	•
Batteries	Rechargeable, 6V	Rechargeable, 6V
Data output	RS 232	RS 232
Protection degree	IP 40 – Electronics IP65	
Motorised	•	•
Lockable head displacement, fine adjust device	–	–
Storage temperature range	-10°C to 60°C	-10°C to 60°C
Operating temperature range	10°C to 40°C	10°C to 40°C

TESA SA

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EVERY HEIGHT GAUGE IS SUPPLIED WITH THE FOLLOWING STANDARD ACCESSORIES:

- 1 Standard insert holder (No. 00760143)
- 1 Standard probe insert with a 5 mm diameter ball tip (No. 00760227)
- 1 Master piece with nominal size to 6,3500 mm / 0.2500 in (No. 00760219)
- 1 Electric pump for air cushion (No. 00760226)
- 1 Rechargeable battery, 6V (No. 00760157)
- 1 Mains adapter (No. 00761054)
- 1 EU cable (No. 00761055)
- 1 US cable (No. 00761056)



WHEN YOU NEED TO BE SURE