

NEW

**SHOP-PROOF
TECHNOLOGY**

**FULLY PROTECTED
AGAINST**

- WATER
- OILS
- DUST

**LONG
MEASURING SPAN**

MAGNA μ SYSTEM

< 8 μ m

**ABLE
TO WITHSTAND
THE TOUGHEST WORKSHOP
CONDITIONS**



**TESA-HITE
MAGNA 400 / 700**



HEXAGON METROLOGY



TESA-HITE MAGNA 400 / 700

Based on a well-proven TESA's technology since more than 25 years, the **new TESA-HITE magna 400 and 700** are ruggedly built for use even in the most hostile workshop environment, especially because of their full protection against the penetration of liquids whatever or dust particles. Each height gauge comes equipped with the patented **TESA magna μ system**. Their unique features provide the most favourable **Price/Performance** relationship and make them indispensable for the workshop.

- Long measuring span
- Fully protected electronics against splashing liquids and dust particles
- Mounted control panel
- Automatic probing of diameters using the unique patented system for detecting the culmination point
- Able to capture parallelism errors
- Patented TESA's magnetic system
- Insert holder and probe inserts compatible with all TESA MICRO-HITE height gauges.
- SCS calibration certificate provided with each single tool

NEW



Technical Data

	TESA-HITE MAGNA	
	400	700
Order No.	00730047	00730059
Measuring span	415 mm / 16 in	715 mm / 28 in
Application range with standard insert holder	00760143 0 to 570 mm / 0 to 22 in	0 to 870mm / 0 to 34 in
Application range with standard insert holder	00760057 0 to 625 mm / 0 to 24 in	0 to 925 mm / 0 to 36 in
Application range with standard insert holder	S007001622 0 to 795 mm / 0 to 31 in	0 to 1095 mm / 0 to 43 in
Max. perm. error	< 8 μ m / 0.0003 in	< 8 μ m / 0.0003 in
Repeatability	2s=<3 μ m / 2s=<0.00015 in (Flat surfaces) 2s=<5 μ m / 2s=<0.00020 in (Inside bores)	
Resolution	0,001 / 0,005 / 0,01 mm - 0.0001 / 0.0002 / 0.001 in	
Displacement speed	0,5 m/s	0,5 m/s
Measuring forces	1,5 N \pm 0,5 N (Acoustic signal)	
Autonomy	60 h	60 h
Weight	14 kg	16 kg
Battery pack	6 V battery, rechargeable	
Digital output	RS 232	RS 232
Protection degree	IP 55 or IP 65 for electronic unit	
Measuring head lock	•	•
Fine adjustment	•	•
Storage temperature range	-10°C to 60°C	-10°C to 60°C
Operating temperature	10°C to 40°C	10°C to 40°C
Maximum relative humidity	100 %	100 %



Each height gauge is supplied along with the following standard accessories :

- 1 Standard insert holder **00760143**
- 1 Standard insert, ball tip diameter to 5 mm **00760164**
- 1 Master piece 0,000 mm / 0.0000 in **00760169**
- 1 Battery pack, 6 V **00760157**
- 1 Mains adapter **04761054**
- 1 Mains cable EU **04761055**
- 1 Mains cable US **04761056**

WHEN YOU NEED TO BE SURE

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