

## HOMMEL TESTER T500 – Technical specifications

<b>HOMMEL TESTER T500</b>	
Surface evaluation parameters	Ra, Rz, DIN, Rmax as per DIN 4768 and ISO 4287/1 Ra, Rz, ISO, Rt as per ISO 4287/1 Ra, Rz, JIS, Rmax JIS as per Japanese standard JIS B601 Pc as per Euro standard 49 ANSI/ASME B 46.1 OPTION : Rpk*, Rk, Rvk, Rvk*, Mr1, Mr2 as per DIN 4776/ISO 13565 * Option applicable for devices without Datasave function.
Tolerance display for Ra, Rz, Rmax or Rt	
Cut-off lengths $\lambda_c$	$\lambda_c$ (mm)    0,25    0,8    2,5
Scanning distances as per DIN 4768 and ISO 4287/1	lt (mm)        1,5    4,8    15,0
Individual measurement distances lr	1-5 selectable
Scanning speed Vt	Vt (mm/s)     0,15    0,5    1,0
The 0.25 mm and 0.8 mm cut-offs can be freely assigned to any scanning distance.	
Digital filter	Profile filter M1 phase corrector as per DIN 4777/ISO 11562
Measurement range	MR        Measurement travel    Resolution 1        +20/- 20 $\mu$ m        10 nm +20/- 60 $\mu$ m        20 nm 2        +40/- 40 $\mu$ m        20 nm +40/- 120 $\mu$ m       40 nm
Precision category	Class 1 as per DIN 4772
Smallest display value	0,01 $\mu$ m
Probe position indicator	bar indicator and numerical value
Measurement system	$\mu$ m and $\mu$ inch
Interface	Standard V24 (RS232), serial
Power supply	9 V replaceable battery with plug-in mains adapter
Measurement capacity	approx. 80 measurements at lt = 4,8 mm (per battery charge)
Dimensions (length x width x height)	118 mm x 56 mm x 62 mm
Weight	330 g
<b>T5E PICK-UP</b>	
Measurement principle	inductive, carrier frequency 10 kHz
Diamond scanning tip	radius 5 $\mu$ m as per DIN 4772
Support strength in 0 position	1,6 mN
Tip angle	90 degrees as per DIN 4772
Skid radius	length 30 mm, transverse 1,9 mm
From hole diameter	4,0 mm, depth 20,0 mm
<b>HOMMEL PRINTER P510</b>	
Printer type	Thermal graphics printer
Print speed	30 mm/s
Font size	2,4 x 1,3 mm
Print width	46 mm
Paper size	Paper roll $\varnothing$ 30 mm (paper length approx. 10 m), width 57 mm
Keyboard	Touch sensitive keyboard with 3 keys (oil resistant)
Interface	T500 connector cable, mains connection adapter
Paper feed	via roller in paper shaft
Recommended operating temperature (for optimum print quality)	+10 ... +35°C
Dimensions (width x height x depth)	42 mm x 48 mm x 135 mm
Weight	approx. 600 g
Supply voltage	100 – 240 V
Battery load cycle	approx. 2,5 hrs. (discharge and over-charge protection)
Battery capacity	1500 mAh

Subject to change without notice.

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