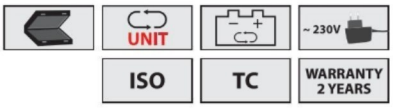
METRA code: 240.006

Electr. Digital Surface Roughness Tester

- **portable roughness measuring device for the measurement of Rz, Ra, Rq, Rt**

- robust aluminium housing, Ra, Rz, Rq, Rt roughness parameters in one gauge
- large OLED display, with switchable backlight, „low-battery" indicator
- On/Off push button, autom. shutdown after 3 min., with beep (start-test-ready)
- measuring range selectable in µm / µinch, parameter Ra (ISO and Rz DIN)
- min. probe tips curvature radius 10 microns ± 1 microns, angle 90° +5° / -10°
- different display values <12%, error indication ± 15%
- force measurement: 0.016 N, force measurement share: 800 N/m
- working temperature -20°C ~ +40°C, rel. humidity <90%
- tracing length 6 mm, tracing speed 1.0 mm / sec., sensor pressure 0.5 N
- integrated sensor protection, with simple calibration function
- incl. roughness standard plate Ra, accuracy acc. ISO class 3
- with 3.7 V Li-Ion rechargeable battery, incl. charger 9 V AC
- incl. sturdy carrying case and operation manual

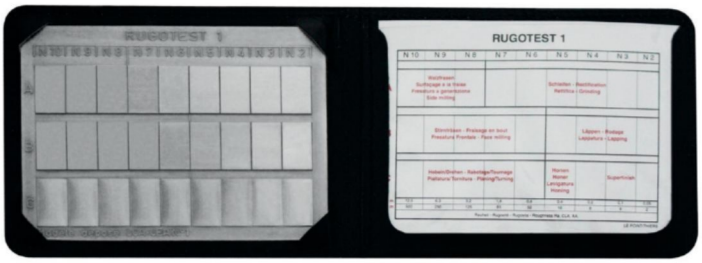


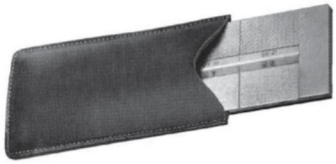
µm / inch	Ra µm	Rz µm	tracing length mm	mm	KG
0.01 / 1	0.05 - 10	0.1 - 50	6	70 x 105 x 25	0.200

Surface Finish Specimen „RUGOTEST"

- **acc. to the norms NF E 05-501, ISO/R 468 and ISO 2632**
- **for testing surface roughness by sight and touch method (with finger-tip)**
- **available for all standard machining methods**

- wear-resistant and made of stainless steel
- delivery in a handy pouch, with description





machining method	quantity of plates	comparaison range Ra µm	ISO class	mm	KG
general (standard)	27	0.05 - 12.5	N2 - N10	120 x 90	0.150
sand	6	0.8 - 25.0	N6 - N11	120 x 90	0.125
shot / grit (coarse + fine)	18	0.0125 - 25.0	N0 - N11	120 x 90	0.125
planing	6	0.8 - 25.0	N6 - N11	110 x 50	0.125
turning	6	0.4 - 12.5	N5 - N10	110 x 50	0.100
face milling	6	0.4 - 12.5	N5 - N10	110 x 50	0.120
suface grinding	8	0.025 - 3.2	N1 - N8	130 x 50	0.125
cylindrical grinding	8	0.025 - 3.2	N1 - N8	130 x 50	0.110
spark erosion	6	0.4 - 12.5	N5 - N10	110 x 50	0.105