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. operation manual

UNIT ISO ~ 230V

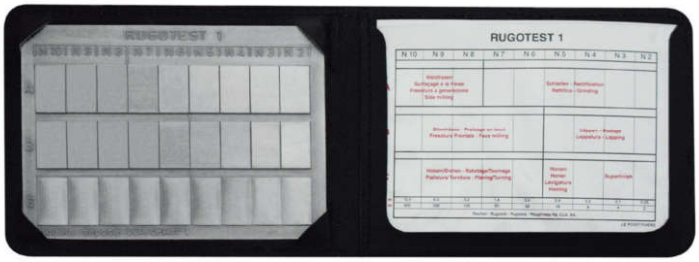
ART Nº	µm / inch	Ra µm	Rz µm	Rq µm	Rt µm	tracing length mm	mm
657120	0.01 / 1	0.05 – 10	0.1 – 50	0.05 – 10	0.1 – 50	6	70 x 105 x 25

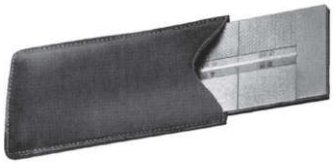
Surface Finish Specimen „RUGOTEST"

- **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 with description

ART Nº 651001





ART Nº 651101 – 651107

ISO

ART Nº	machining method	quantity of plates	comparaison range Ra µm	ISO class	mm
651001	general (standard)	27	0.05 – 12.5	N2 – N10	120 x 90
651002	sand	6	0.8 – 25.0	N6 – N11	120 x 90
651003	shot / grit (coarse + fine)	18	0.0125 – 25.0	N0 – N11	120 x 90
651101	planing	6	0.8 – 25.0	N6 – N11	110 x 50
651102	turning	6	0.4 – 12.5	N5 – N10	110 x 50
651103	face milling	6	0.4 – 12.5	N5 – N10	110 x 50
651104	suface grinding	8	0.025 – 3.2	N1 – N8	130 x 50
651105	cylindrical grinding	8	0.025 – 3.2	N1 – N8	130 x 50
651107	spark erosion	6	0.4 – 12.5	N5 – N10	110 x 50