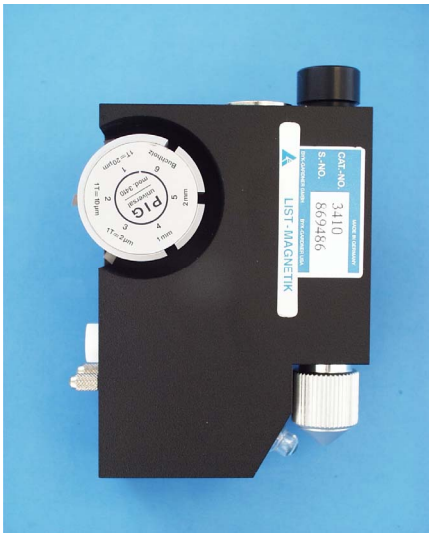
LIST-MAGNETIK

COATING THICKNESS MEASUREMENT SURFACE TESTING DEVICE

Paint Inspection Gauge P. I. G.



Coating Thickness Gauge according to DIN 50 986 (wedge cutting principle) suitable for measuring all coatings on any base material (steel, non-ferrous metals, plastics, wood, concrete, ceramics, reflective coatings etc.). In addition the structure of multiple coating systems can be analized. A special cutting tool supplied with the gauge is used to incise a small precision V-groove through the paint film and into the substrate. This V-groove is observed vertically with an illuminated microscope bearing a measuring scale.

The instrument includes three cutters:

Cutter No. 1 Range 20 – 2000 microns
(graduation 20 microns)
Cutter No. 2 Range 10 – 1000 microns
(graduation 10 microns)
Cutter No. 3 Range 2 – 200 microns
(graduation 2 microns)

Surface Roughness Meter TR-110
Ra and Rz

The pocket-size electronic scanning instrument measures surface roughness at the press of a button. Its features are high accuracy, simple operation, and stable performance. It is widely applicable in testing surfaces of all kind of metals and non-metals and suitable for use in production, workshop and in quality control.

Technical Data:

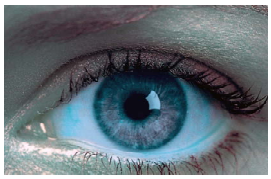
Roughness parameters:	Ra (ISO), Rz (DIN)
Measuring unit:	µm, µinch switchable
Measuring range:	Ra 0,05 – 15,0 µm; Rz 0,1 – 50 µm
Limit wave length (Cut-Off):	0,25 mm / 0,8 mm / 2,50 mm
Tracing length:	6 mm
Tracing velocity:	1,0 mm/sec
Battery:	3,0 V (Li-ion)
Charger:	6 V DC (3 hours charging time)
Dimensions:	110 mm x 70 mm x 24 mm
Weight:	200 g

Surface Temperature Device
OS 643 E

- Measures accurately temperature using non contact infrared technology
- Hand-held, battery-operated sensor
- Simple operation with one button

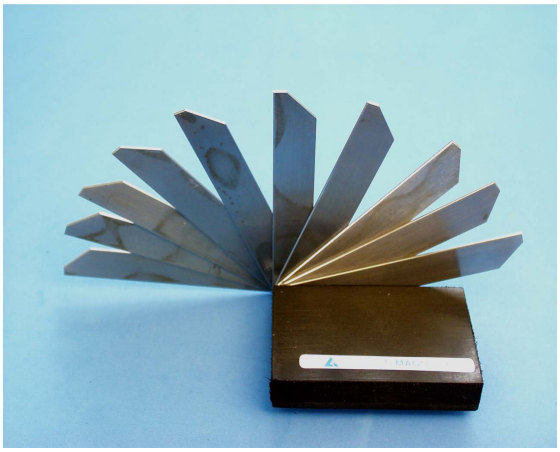
Technical Data:

Temperature Range:	-18° bis +315°C
Resolution:	1°C
Accuracy:	± 2 % of reading
Response time:	1 sec
Power supply:	9 V battery
Dimensions:	184 x 43 x 19 mm
Weight:	110 g



The human eye – symbol of our job: Guaranteeing quality through surveillance. Perfect in function and technology. Open to everything new, recognizing changes in due time and responding to them shrewdly. Success is visible.

Multicross Cutters for the Grid Cutting Test (DIN EN ISO 2409)



The grid cutting test is applied for the evaluation of the adhesion of coatings on the base material as well as of layers on top of one another. A defined pattern of cross cuts at right angles to eachother is cut into the coating down to the base, thus producing a grid with 25 squares. Cracking of the cutting edges and peeling-off of particles is evaluated visually by comparison with a scale pattern.

Multi-blade cutter
(6 cutting edges at 1 mm distance) **Order No. GS-201**
up to 60 microns

Multi-blade cutter
(6 cutting edges at 2 mm distance) **Order No. GS-202**
up to 120 microns

Folding ruler
(1 mm bars) with NT cutter over **Order No. GS-203**
120 microns

The devices include a brush, magnifier and plastic case.

Wet Film Thickness Gauges

Measuring Combs
for determining wet coatings on flat surfaces

Models:

Stainless steel Measuring range: 5 - 150 microns
Order No. KB-150

Measuring range: 25 – 2000 microns
Order No. KB-2000

Aluminium Measuring range: 25 – 2000 microns
Order No. KL-2000