Pocket-LEPTOSKOP®

Coating Thickness Measurement

Models
2018 NFe
2021 Fe
2026 Fe/NFe

Omni Instruments
Measurement > Control > Data Acquisition

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Pocket-LEPTOSKOP® – Coating Thickness Measurement Newly Defined

Models
2018 NFe
2021 Fe
2026 Fe/NFe

Do you want your coating thickness gauge to be flexibly usable together with excellent readability even at hard-to-access locations?

Then the new Pocket-LEPTOSKOP with its large illuminated flip display will exactly meet your requirements.

With the new generation of the Pocket-LEPTOSKOP gauges KARL DEUTSCH is setting the standard:

- Convenient single hand operation: Switch-on and measure
- Comfortable and quick. Already calibrated ex works.
- Large digits facilitate reading of the display
- Reliable values in less than one second
- Easy menu guidance via 4 keys (foil keypad)
- Clear understandable user guidance, comparable to a cellular phone
- Rotate the contents of the large illuminated display simply by keystroke
- Integrated, spring-loaded probe
- Free language selection: German, English, French, Spanish, Italian, Swedish. More languages on request.

Optionally available for all Pocket-LEPTOSKOPs:

- Data transfer into a PC by means of the PC software “STATWIN 2002“
- Software module “Statistics & Data Memory“
  - Permits storage of up to 800 readings
  - Statistics functions: Minimum, maximum, number of readings and mean value
  - Keyboard lock, analog pointer display, graphical representation of readings
  - Selectable limits and offset

Pocket-LEPTOSKOP 2018 NFe – for measurements of colour, lacquer, plastic, rubber, ceramic, insulation and galvanic coating on all non-magnetic metals like aluminium, copper, brass or certain high-grade steel (eddy current method – DIN EN ISO 2360)

Pocket-LEPTOSKOP 2021 Fe – for measurements of colour, lacquer, plastic, rubber, ceramic, insulation, galvanic or plated coating on iron and steel (magnetic inductive method – DIN EN ISO 2178)

Pocket-LEPTOSKOP 2026 Fe/NFe – the combined probe measures on all metallic substrates and will detect the substrate automatically

Statistics functions

Flip display: easy to read even when measuring overhead

Serial PC interface

Pocket-LEPTOSKOP with accessories

Sets and scope of supply

	Order No.
Instruments	
Pocket-LEPTOSKOP 2018 NFe	2018.901
Pocket-LEPTOSKOP 2021 Fe	2021.901
Pocket-LEPTOSKOP 2026 Fe/NFe	2026.901
Scope of supply: gauge with battery, calibration foils, reference block, operating manual, quality certificate, equipment case	
Software extension module	
“Statictics & Data Memory”	2910.001
PC software STATWIN 2002	2904.001
Recommended packages	
Data set 2018 NFe	2018.902
Data set 2021 Fe	2021.902
Data set 2026 Fe/NFe	2026.902
Data sets contain gauge with standard supply plus software module “Statistics & Data Memory”, communication cable, PC software STATWIN 2002	

Technical Data Pocket-LEPTOSKOP 2018 / 2021 / 2026

Display	25 mm x 16 mm approx., illuminated
Measuring ranges	NFe (2018/2026): 0..1200 µm (47 mils) Fe (2021/2026): 0..3000 µm (120 mils)
Calibration	Zero and foil calibration with mean calculation for uneven surfaces or standard calibration ex works
Measurement uncertainty (after two point calibration on ST 52 / AlMgSi0.5)	For coatings < 100 µm: 1% ± 1.5 µm For coatings 100..1200 µm: 1 to 3 % ± 1 µm For coatings > 1200 µm: 3 to 5 % ± 1 µm
Interface	RS 232
Measurement units	To be selected from µm, mm, inch and mil
Battery operation	1 alkali/manganese battery, 70 hrs life-time if illumination is off
Indication of battery capacity	Visually by symbol in the display and alarm tone
Size/weight	46 mm x 95 mm x 16 mm, 70 g (2.6 oz)

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