Quality needs control

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.

NEURTEK
instruments

The *NEW* Coating Thickness Meters
MEGA – CHECK *Pocket*

The new **MEGA-CHECK *Pocket*** devices use digital measuring probes, in which the analog signals are digitised directly in the probe and transferred digitally via the probe cable to the measuring device. This new technology is very immune to interference and makes high accuracy, reproducible measurements possible.

The probe cable is connectable from both sides (control unit and probe) and therefore very service-friendly, because just the cable needs to be replaced in case it gets broken. The housing, with its easy to handle format and rubber reinforced sides, is hardly bigger than the measuring probe.

For such new technology, these devices offer an excellent price-performance ratio.

What's new is the simple operation of the devices with just one key, ideal for users, who don't require any documentation of the measurement data.

With the new type of ASR technology (Automatic Statistic Result), it is nevertheless possible to display the statistics of the last series of measurements. To do this the probe plug is simply disconnected from the device. After that the device is switched on again and the Min., Max. and Mean statistical values and Standard Deviation of the last series of measurements are displayed automatically in sequence.

The user doesn't have to carry out any complicated settings.

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Features and technical datas:

Function	MEGA-CHECK *Pocket FE*	MEGA-CHECK *Pocket FN*
Measurement of paint, varnish, plastics and galvanizing on iron and steel	X	X
Measurement of insulating coatings (paint, varnish, plastics, anodizing) on non-ferrous metals	no	X
Measuring Range:	FE: 0 – 5000 *μm*	FE: 0 – 5000 *μm* NFE: 0 – 2500 *μm*
Resolution: 1 - 100 *μm*: 0.1 *μm* > 100 *μm*: 1 *μm* > 2000 *μm*: 0.01 mm	X	X
Accuracy: below 100 *μm*: ± 1 *μm* 100 - 1000 *μm*: ± 1 % 1000 - 2000 *μm*: ± 3 % above 2000 *μm*: ± 5 %	X	X
Available Probes: Smallest Area: Smallest curvature radius convex: Smallest curvature radius concave:	PF-5 Ø 4 mm 4 mm 38 mm	PFN-52D Ø 6 mm FE: 4 mm / NFE: 6 mm 38 mm
Power Supply: 2 x 1.5V AA Mignon, 2 x 1.2V AA rechargeable batteries on request	X	X
One / Two-Point calibration:	X	X
Automatic Switch Off:	X	X
Conversion *μm* – mils:	X	X
Statistics (MAX. MIN. MEAN. NO. STD.DEV.)	Last series of 100 measurements (ASR-technology)	Last series of 100 measurements (ASR- technology)
Display of statistics:	X	X
Display LCD, 3 ½ digits:	X	X
Dimensions:	105 x 65 x 26 mm	105 x 65 x 26 mm
Weight incl. Batteries:	137 g	137 g

Standards: DIN, ISO, ASTM, BS

MEGA-CHECK *Pocket FE*

measures according to the magnetic induction technique non-conductive coatings (paint, varnish, plastics, rubber, ceramics) and galvanized films (except niquel) on iron and magnetic steel.

MEGA-CHECK *Pocket FN*

includes both the magnetic induction and eddy current techniques with a dual-function probe. The following measurements can be performed:

On iron and magnetic steel all non-conductive coatings (paint, varnish, plastics, rubber, ceramics) and galvanized films (except niquel).

On non-ferrous metals (aluminium, bronze, brass, copper, non-magnetic steel)
coatings (paint, varnish, plastics, anodizing on aluminium).

Scope of supply: Device incl. probe, calibration set, operating instructions and plastic case

Dimensions of measuring probes PF-5 / PFN-52D

PF-5:
Probe with springloaded guide for measuring on iron and steel (magnetic-induction)
Measuring range: 0 - 5000 *μm*

PFN-52D:
Dual function probe with springloaded guide, for measuring on ferrous and non-ferrous metals (magnetic induction and eddy current method)
Measuring ranges: Ferrous: 0 - 5000 *μm*
                                    Non-ferrous: 0 - 2500 *μm*