QNix® 4500

Coating Thickness Gauge

A handy and robust gauge for simple and fast coating thickness measurements – for all paint and automobile applications.

Features and Benefits

- **Gauge for standard applications — simple, fast measurements**
- **One-hand operation — only one button**
- **No calibration**
- **Automatic ON/OFF witching**
- **High precision over the entire measuring range: Fe and NFe from 0 to 120 mil**
- **Broad spectrum of use for non-destructive measurements on steel, iron and non-ferrous metals, such as aluminum, zinc, copper and brass**
- **Compact design with integrated probe**
- **Innovative, proven technology — hall sensor and eddy current technology**
- **Acoustic signal for confirmation that measurement has been taken**
- **Non-wearing ruby probe tip for long-term use**
- **Automatic substrate recognition — exclusive to QNix 4500**

Extremely precise:

High measuring accuracy over the entire measuring range.

Simple operation:

No calibration. Only one button. One-hand operation.

Innovative technology:

Proven hall sensor and eddy current technology. Integrated measuring probe without cables or plugs.

Broad spectrum of use:

Dual probe for measurements on steel and non-ferrous metals.

Protective measuring:

Polished ruby tip to protect both probe and surface to be measured.

The QNix® 4500 gauge was developed particularly for measuring tasks in the automotive industry as well as fastidious painting applications in other industries. This compact gauge permits extremely precise measurements of lacquer and corrosion protection thicknesses, both on steel and iron as well as on non-ferrous metals such as aluminum, zinc and copper. The QNix 4500 offers:

- **Automatic substrate recognition**
- **Increased measuring speed**
- **Backlight**
- **Graphic display with high resolution**
- **Extended measuring range – Fe & NFe 120mil**

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QNix® 4500 Coating Thickness Gauge

Simply perfect

With the QNix 4500, precise measurements on steel, iron and non- ferrous metals become simply perfect. The automatic substrate recognition makes the measuring easier and safer, with no calibration required. With high precision over the entire measuring range, the QNix 4500 measures Fe and NFe from 0 to 3000 µm.

The sensitive measuring probe of the extremely small, light and handy QNix 4500 is integrated into the gauge. It is a equipped with a readable LCD that informs about readings, battery condition and mode of operation.

Optimal LCD Display:

- **Large clear numbers for optimal readability**
- **Precise presentation of readings, battery condition, unit, mode and serial number**
- **Display readings in µm or mil**

Scope of supply

- **Coating thickness gauge QNix 4500 (or QNix 4200)**
- **Gauge carrying case with reference plates**
- **2 x 1,5 V Mignon Batteries (Type AA Alkali)**
- **Test Certificate**
- **Instruction manual**

Technical Specifications

Principle of Operation	Two magnetic measuring principles:	
	Fe: Magnetic-Flux/ Hail Effect. See Fe*	NFe: Eddy Current (QNix® 4500 only)
Standards & Regulations	DIN EN ISO 2808, DIN 50981, ISO 2178, BS 5411 (3 & 11), BS 3900 - C5, ASTM B 499, ASTM D 1186, ASTM D 7091 (only QNix® 4500: DIN 50984, ISO 2360, ASTM D 1400)	
Probe Type	integrated	
Measuring Range	Fe: 0,0 - 120 mil	NFe: 0,0 -120 mil (QNix® 4500 only)
Measuring Frequency	Single measurement: 1250 ms	
Display Metric	from 0,0 - 999 in µm, from 1000 µm in mm	
Resolution	1 µm in the range up to 999 µm, 0,01 mm in the range from 1 mm	
Acurracy according to Automation Dr. Nix standards	± (2 µm + 3% of the readings)	
Minimum measuring Area (in mm x mm)	10 x 10	
Minimum Curvature	convex: 5 mm, concave: 25 mm	
Minimum Substrate Thickness	Fe: 0,2 mm	NFe: 0,05 mm (QNix® 4500 only)
Display	Graphic display with backlight	
Temperature Range	0 - 50 °C	
Permitted Storage Temperature	-10 °C - 60 °C	
Power Supply	2 x Batteries: 1.5V (Type AA Alkali)	
Dimensions (L x W x H in mm)	100 x 60 x 27	
Weight incl. Battery	appr. 105 g	

Fe* Measuring of non-ferromagnetic coatings on ferromagnetic substrate, for example measuring on steel- or iron-substrates.
NFe* Measuring of non-ferromagnetic and electrically non-conductive coatings (insulating coatings) on non-ferromagnetic and electrically conductive substrate, for example measuring on aluminium-, zinc-, brass- and certain stainless (high-grade) steel-substrates.
Technical data subject to change without notice

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PWL-10-3235
Revised 4/10

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