

QNix® 4500: The Bestseller for standard applications.

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

QNix® 4500 was developed particularly for measuring tasks in the automobile 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, copper. With the practice-oriented product properties, professionals immediately recognize the handwriting of AUTOMATION Dr. Nix:

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.



Real Size Illustration



· compact gauge
· easy handling

A quality product from



Simply perfect:

With the QNix® 4500 precise measurements on steel, iron and non-ferrous metals become simply perfect. Change between the measuring procedures by simply pressing on the button. No calibration. With high precision over the entire measuring range: Fe 3000 µm and NFe 2000 µm.

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



For measurements on steel and iron, the identically designed QNix® 4200 is available.

Product advantages:

- Gauge for standard applications - simple, fast measurements.
- One-hand operation. Only one button.
- No calibration.
- Automatic On/Off switching.
- High precision over the entire measuring range: Fe 3000 µm and NFe 2000 µm.
- 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.

Optimal LCD display:

- Large clear numbers for optimal readability.
- Precise representation of readings, battery condition, mode of operation 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 Data QNix® 4500 | 4200

Principle of Operation	Two magnetic measuring principles: Fe: Magnetic-Flux / Hall Effect See Fe* NFe: Eddy Current (QNix® 4500 only)	
Standards & Regulation	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 - 3000 µm	NFe: 0,0 - 2000 µm (QNix® 4500 only)
Metric System µm / mil	Yes	
Measuring Frequency	Single measurement: 850 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	
Accuracy according to Automation Dr. Nix Standards	±(2µm + 3% of the readings)	
Minimum Measuring Area (in mm x mm)	10 x 10	
Minimum Curvature	convex : 5mm, concave : 25mm	
Minimum Substrate Thickness	Fe: 0,2 mm	NFe: 0,05 mm (QNix® 4500 only)
Display	Digital LCD	
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	



* According to our terms of sale.

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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