QNix® 4500

QNix® 4500: The global bestseller for standard applications.

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

QNix® 4500 was developed for a broad spectrum of use in the automobile and painting industries. This compact gauge allows for extremely accurate measurements of paint and corrosion protection thicknesses, both on steel and iron as well as on non-ferrous metals such as aluminum, zinc or copper.

Professionals immediately recognize the practice-oriented product properties as the handwriting of Automation Dr. Nix:

Extremely precise
High measuring accuracy over the entire measuring range.

Simple operation
No calibration. One button only.
One-hand operation.

Innovative technology
Proven Hall sensor and Eddy Current technology.

Broad spectrum of use
Dual probe for measurements on steel and non-ferrous metals.

Protective measuring
Polished ruby tip to protect both the probe and the surface measured.

A quality product from

AUTOMATION Dr. NIX GmbH & Co. KG

QNix® 4500

Simply perfect

With the QNix® 4500, precise measurements on steel, iron and non-ferrous metals are simply perfect. Switch between the measuring procedures by simply pressing the button.
No calibration required. High precision over the entire measuring range: Fe 5000 µm and NFe 3000 µm.

The sensitive QNix® 4500 measuring probe is fully integrated into this extremely small, light and handy gauge.
Its readable LCD informs about readings, battery condition, mode of operation and serial number.

Product advantages

- Gauge for standard applications – easy, safe and fast measurements.
- One-hand operation. Only one button.
- No calibration.
- Automatic On/Off.
- High precision over the entire measuring range: Fe 0 – 5000 µm und NFe 0 – 3000 µm.
- Broad spectrum of use for non-destructive measurements on steel, iron and non-ferrous metals such as aluminum, zinc, copper and brass.
- Proven technology: Hall sensor and Eddy Current technology.
- Acoustic signal confirms taking of a measurement.
- Wear-proof ruby probe tip for long-term use.

Optimal LCD-Display

- Large clear numbers for optimum readability.
- Precise display of readings, battery condition, mode of operation and serial number.
- Backlit display.

Scope of supply

- Gauge for coating measurement with integrated probe – with selected measuring range (QNix® 4500 or QNix® 4200)
- Gauge carrying case with reference plates.
- 2 x 1,5 V Mignon Batteries (Type AA alkaline).
- Test certificate.
- Instruction manual.

QNix® 4200

For measurements on steel and iron, the identically designed QNix® 4200 is available – with integrated probe. Available measuring range: 0 – 3000 µm or 0 – 5000 µm.

2 years guarantee*

Made in Germany

* According to our terms of sale

Technical Data QNix® 4500 | 4200

Measuring Principle	Two magnetic measuring principles: Fe: Magnetic-Flux/Hall Effect ref Fe* NFe: Eddy Current (QNix® 4500 only)
Standards & Regulation	DIN EN ISO 2808, ISO 2178, ASTM B 499, ASTM D 7091 (QNix® 4500 only: ISO 2360)
Measuring range	Fe: 0.0 – 5000 µm NFe: 0.0 – 3000 µm (QNix® 4500 only)
Metric System µm/mil	Yes
Measuring Interval	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 referred to Automation reference Standard	4200 3 mm: Fe < 2 mm ①, Fe > 2 mm ① 4200 5 mm: Fe < 2 mm ①, Fe > 2 mm ② 4500 3/3 mm: Fe < 2 mm ①, Fe > 2 mm ①, NFe < 2 mm ①, NFe > 2 mm ① 4500 5/3mm: Fe < 2 mm ①, Fe > 2 mm ②, NFe < 2 mm ①, NFe > 2 mm ② ① = +/- (3 %* + 2 µm) ② = +/- (5 %* + 2 µm)
Minimum Measuring Area	Ø 25 mm
Minimum curvature	convex: 5 mm, concave: 25 mm
Minimum Substrate Thickness	Fe: 0.2 mm NFe: 0.05 mm (QNix® 4500 only)
Display	Graphic-LCD
Temperature Range	0 – 50° C (32 – 122° F)
Permitted Storage Temperature	-10 – 60° C (14 – 140° F)
Power Supply	2 x Batteries: 1.5 V (Type AA alcaline)
Dimensions (L x W x H in mm)	100 x 60 x 27
Weight incl. Battery	105 g

* of the measurement
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 aluminum-, zinc-, brass- and certain stainless (high-grade) steel-substrates.

Technical data subject to change without notice

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