

# 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 nonferrous 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

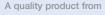
Dual probe for measurements on steel and non-ferrous metals.

#### Protective measuring

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













## Simply perfect

3000 µm.

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 3000 µm and NFe

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



For measurements on steel and iron, the identically designed QNix® 4200 is available with integrated probe or with Cable Probe. Available measuring range: 0 - 3000 µm or  $0 - 5000 \mu m$ .





## **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  $\mu m$  und NFe 0 – 3000  $\mu m$ .
- 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 or with Cable 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.

#### Technical Data QNix® 4500 | 4200

Measuring Principle  Two magnetic measuring principles: Fe: Magnetic-Flux/Hall Effect ref Fe* NFe: Eddy Current (QNix® 4500 only)	
INFE. Eddy Current (QNIX 4500 Only)	
Chandards 9 Developing	
Standards & Regulation  DIN EN ISO 2808, ISO 2178, ASTM B 499, ASTM D 7091	
(QNixR 4500 only: ISO 2360))	
Probe Type integrated or - optional - Cable Probe with 1 m of	able
Measuring Range Fe: 0.0 – 3000 μm	
NFe: 0.0 – 3000 μm (QNix <sup>®</sup> 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	
	500
Automation foroiones standard	mm ①
	2)
	1
NFe > 2mm	2
① = $\pm -(3\% + 2\mu m)$ ② = $\pm -(5\% + 2\mu m)$	
Minimum Measuring Area Ø 25 mm	
Minimum Curvature convex: 5mm, concave: 25mm	
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 (gauge with integrated probe)	
Dimensions (L x W x H in mm)100 x 60 x 27 (gauge with integrated probe)Weight incl. BatteryGauge with integrated probe: 105 g	

<sup>\*</sup> 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





**7.** AUTOMATION Dr. NIX