

QNix4500和QNix4200是世界上最畅销的涂镀层测厚仪，只需调零，无需校准，使用极其简单。其中QNix4200为磁性测厚仪，可以用来测量钢铁等磁性基体上的涂镀层；QNix4500为磁性和涡流两用测厚仪，不仅可以用来测量钢铁等磁性基体，还可以用来测量铝、铜、不锈钢等非磁性金属表面的涂层、氧化膜、磷化膜等覆层，可自动识别测量基体，自动转换。这两个型号操作简单，携带方便，性价比高，并且可设置动态平均功能，方便粗糙表面测量，为广大用户所喜爱。



| | |
|-----------------|---|
| 测量范围 | 磁性基体 (Fe模式) : 0-3000或0-5000 μm 非磁性基体 (NFe模式) : 0-3000 μm (仅QNix4500) |
| 显示精度 | 0-99.9 μm: 0.1 μm 100-999 μm: 1 μm ≥ 1mm: 0.01mm |
| 测量精度 | ± (2+3%) μm ≤ 3000 μm ± (2+5%) μm > 3000 μm |
| 最小测量面积 | Fe: 10×10mm, NFe: 6×6mm |
| 最小曲率半径 | 凸半径: 5mm, 凹半径: 25mm |
| 最薄基体厚度 | Fe: 0.2mm, NFe: 0.05mm |
| 存储温度 | -10°C-60°C |
| 温度补偿范围 | 0°C-50°C |
| 电 源 | 2×1.5V 干电池 |
| 尺 寸 | 100×60×27mm |
| 重量 (含电池) | 一体型: 105g, 分体型: 147g |



QNix4500、QNix4200涂层测厚仪



德国尼克斯QNix公司在传统型号基础上推出了QNix4500/QNix4200分体型，主机和探头通过探头导线连接，使用更为简便，响应时间也更为迅速，还可以完成特定测量环境（如狭小空间）下的测量，独立探头也大大减少了维修成本，性价比更高。

另外还推出了QNix4500/QNix4200的5mm量程型号，在磁性基体下量程达到5000 μm ，为客户提供了更多选择。



可选型号

| | | | |
|------------|----|---|----------|
| QNIX4200 | 一体 | Fe : 0-3000 μm | Fe模式 |
| QNix4200P | 分体 | Fe : 0-3000 μm | Fe模式 |
| QNix4200/5 | 一体 | Fe : 0-5000 μm | Fe模式 |
| QNix4200P5 | 分体 | Fe : 0-5000 μm | Fe模式 |
| QNix4500 | 一体 | Fe/NFe : 0-3000 μm | Fe/NFe双用 |
| QNix4500P | 分体 | Fe/NFe : 0-3000 μm | Fe/NFe双用 |
| QNix4500/5 | 一体 | Fe : 0-5000 μm NFe : 0-3000 μm | Fe/NFe双用 |
| QNix4500P5 | 分体 | Fe : 0-5000 μm NFe : 0-3000 μm | Fe/NFe双用 |



**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.





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 3000 µm and NFe 3000 µm.

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.

QNIX® 4200

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 µm.



**2 years
guarantee***

Made in
Germany

* According to our terms of sale

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 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) | | | |
| 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 cable | | | |
| Measuring Range | Fe: 0.0 – 3000 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 | 4200 5 mm | 4500 3/3 mm | 4500 5/3 mm |
| | ① | ① | ① | ① |
| | ① | ② | ① | ② |
| | | | ① | ① |
| | | | ① | ② |
| | ① = +/- (3%* + 2µm) ② = +/- (5%* + 2µm) | | | |
| 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 alkaline) | | | |
| Dimensions (L x W x H in mm) | 100 x 60 x 27 (gauge with integrated probe) | | | |
| Weight incl. Battery | Gauge with integrated probe: 105 g Gauge with Cable Probe: 147 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

Germany:

Robert-Perthel-Strasse 2 · 50739 Cologne
Phone +49 (0) 221-917455-0
Fax +49 (0) 221-171221
email info@qnix.de
www.qnix.de