

**QNix<sup>®</sup> Keyless: Mobile and fast measurements - made extremely easy.**  
The fully automatic standard measuring instrument with radio control probe.

**No connectors, no cables.**

For wireless and especially fast and precise standard measurements with an integrated mobile probe, the further developed QNix<sup>®</sup> Keyless is the coating thickness gauge without rival. A hand gauge without keys, cable and plug that will accomplish its daily tasks to your fullest satisfaction.

**Fast measurements:**

High work effectiveness.

**Easy operation:**

No calibration.  
Automatic zeroing.  
One-hand operation.

**Innovative technology:**

Proven Hall sensor technology.  
Integrated dual radio probe for one-hand free measurements and wireless data communication.

**Broad spectrum of use:**

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



A quality product from



## Fast and precise:

Even at a transmission distance of about 20 meters, readings (more than 4000 measurements) can be transferred fast and precise with the dual radio probe. QNix® Keyless is ideal for one-hand free measurements at difficult-to-access places.

## Product advantages are User advantages:

- Interference-proof radio control data communication.
- Fast and precise measurements over the entire measuring range.
- One-hand operation.
- Automatic zeroing with integrated reference plates.
- No calibration.
- Simple operation.
- Proven Hall sensor technology.
- Mobile dual radio probe with 2 sensors for Fe and NFe measurements.
- Automatic probe recharge in the body gauge.

## QNix Keyless M

- With memory and statistical functions.
- PC software for data selection and processing with Windows 98+ and RS 232-Interface for online measurements.

## Scope of supply:

- Coating thickness gauge QNix® Keyless or Keyless M.
- 2 x 1.5 V Mignon batteries (alkali).
- Gauge carrying case with reference plates.
- Gauge soft pouch.
- Test certificate.
- Instruction manual.

## Technical Data QNix® Keyless | Keyless M

|  |  |  |
|--|--|--|
| Principle of Operation                             | Two magnetic measuring principles:<br>Fe: Magnetic-Flux / Hall Effect<br>See Fe*<br>NFe: Eddy Current<br>See NFe*                            |  |
| Standards & Regulation                             | DIN EN ISO 2808, DIN 50981, DIN 50984, ISO 2178, BS 5411 (3 & 11), BS 3900 - C5, ASTM B 499, ISO 2360, ASTM D 1400, ASTM D 1186, ASTM D 7091 |  |
| Probe Type   | wireless radio probe   |  |
| Measuring Range                                    | Fe: 0,0 - 2000 µm<br>optional<br>Fe: 0,0 - 5000 µm   | NFe: 0,0 - 2000 µm<br>NFe: 0,0 - 2000 µm |
| Metric System µm / mil                             | optional via Software  |  |
| Measuring Frequency                                | single measurement: 600 ms   |  |
| Display Metric                                     | 0,0 - 999 in µm, from 1000 µm in mm  |  |
| Resolution   | 0,1 µm in range below 100 µm,<br>1 µm in range from 100 - 999 µm,<br>0.01 mm in range from 1000 µm   |  |
| Accuracy according to Automation Dr. Nix Standards | ±(1,5 µm + 2%*) in the range 0,0 - 2,0 mm<br>±3,5%* in the range from 2,0 mm<br>(* of 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                             |
| Wireless Interface                                 | Yes  |  |
| ISM Frequency Band                                 | Europe 868 MHz, USA/Japan 916 MHz  |  |
| Transmission Range                                 | max. 20 m  |  |
| 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)                       | 110 x 62 x 22  |  |
| Weight incl. Battery                               | appr. 140 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

### Germany:

Robert-Perthel-Str. 2 · 50739 Köln  
Tel.: +49 (0) 2 21/91 74 55-0  
Fax: +49 (0) 2 21/17 12 21  
e-mail: info@q-nix.de  
www.q-nix.de