



# Qnix<sup>®</sup> 4600

Rethinking coating thickness measurement

# QNix® 4600

## in operation



With more than 100 measurements per minute, in terms of speed the QNix® 4600 can easily keep up with its measuring objects. Thanks to the handy and ergonomic design, the QNix® 4600 is in the vehicle appraisal in pole position.

The quick inspection of the paintwork succeeds reliably and accurately with the practical one-button operation. Without complex device configuration the QNix® 4600 provides precise measurement results.

Switch on, put on, read off. The large contact surface and the low centre of gravity ensure a safe placement and avoid incorrect measurements.



Whether it's powder coating or wet painting, the QNix® 4600 performs in the field of industrial painting and vehicle appraisal.

The brilliant 2" large colour LCD of the QNix® 4600 with its automatically flipping display makes readings of the measured values easier in any situation – even in low light conditions. The indication of average, standard deviation as well as the highest and lowest measured value provides all the necessary statistical information to the current series of measurements.

# QNix® 4600

## The Coating Thickness Gauge

QNix® 4600  
as Dual or  
Fe type  
available.

### TIME SAVING AND EASY OPERATION

- Automatic substrate detection
- High measuring speed:  
Put on, read off value
- Immediate evaluation of the readings by significant statistics
- No adjustment for standard applications needed



### RELIABILITY OF VALUES THROUGH PRECISION AND CORRECTNESS

- High trueness over the entire range
- High repeatability of the measurement results
- Temperature compensation directly in the probe

### PROCESS RELIABILITY AND READABILITY

- Brilliant IPS LCD, 2", colour, 350 cd / m<sup>2</sup>, viewing angle 70°
- Automatically flipping display 0°, 90°, 180°, 270°
- Low center of gravity with large contact surface for stable measurements

## QNix® 4600 Scope of supply

### Scope of supply of the QNix® 4600 Optional with Fe or Dual probe

- Gauge QNix® 4600
- Fe and NFe reference plate
- Calibration certificate
- Operation manual
- 2 Mignon batteries 1,5 V (AA) alkaline
- Plastic case for transport and storage



# QNix® 4600

with automatically flipping display

Bright, 2" large colour display for an easy reading even under low light conditions



Measured value of the coating thickness in µm or mil

Average value

Maximum measured value of the current series of measurements

Minimum measured value of the current series of measurements

Standard deviation

Easy to use by one button

Large contact surface for a stable placement to avoid incorrect measurements

Automatically flipping display



**Electrical details**

Power supply	2 × AA (batteries or rechargeable batteries)
Battery life when gauge is not in use at min. 50 % battery capacity	> 1 year
Battery life at one measurement per second	up to 40.000 readings
Display	IPS-LCD, 2", colour, 350 cd / m <sup>2</sup> , viewing angle 70° all directions

**Weight and dimensions**

Dimensions (H x W x D)	135 × 63 × 43 mm
Weight	100 g

**Environmental conditions**

Operating temperature	0 °C to +50 °C / 32 °F to 122 °F
Storage temperature	-20 °C to +70 °C / -4 °F to 158 °F
Climatic conditions	10 to 90 % relative humidity, non-condensing

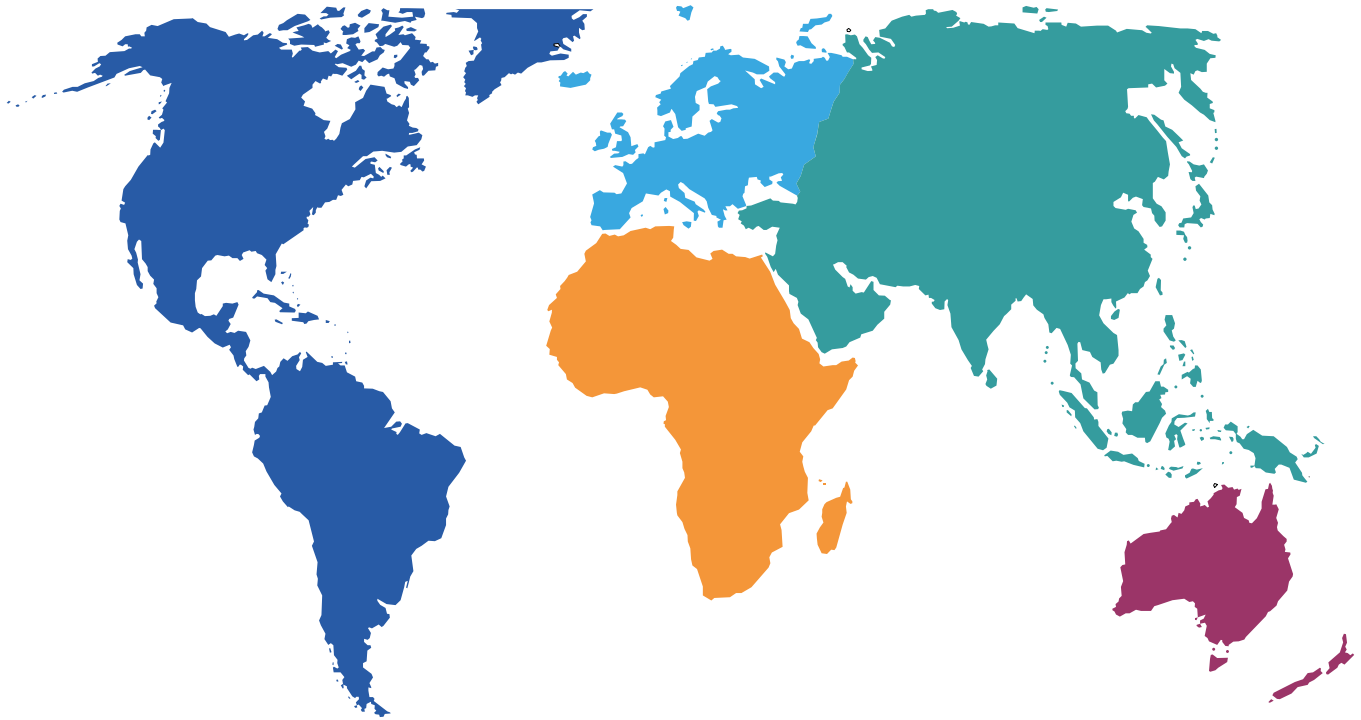
QNix® 4600, optional	Fe: 3 mm
	Dual Fe/NFe: 1,2 mm 3 mm 5 mm

**Metrological characteristics**

Measuring principle	magnetic: magnetic field amendment / hall-effect Fe / eddy-current NFe
Measuring speed (measurements per minute)	≥ 100
Accuracy of measurement on Fe substrates related to QNix® reference standards	± (1 µm + 2 % of the reading) to 2,0 mm ± 5 % of the reading from 2,0 mm
Accuracy of measurement on NFe substrates related to QNix® reference standards	± (2 µm + 2 % of the reading) to 2,0 mm ± 5 % of the reading from 2,0 mm
Smallest measuring surface Fe / NFe	diameter 28 mm
Smallest curvature konvex Fe	10 mm – Zero point adjustment on original substrate (accuracy checked up to 250 µm)
Smallest curvature konvex NFe	50 mm – Zero point adjustment on original substrate (accuracy checked up to 250 µm)
Minimum thickness of base metal Fe	100 µm – Zero point adjustment on original substrate (accuracy checked up to 250 µm)
Minimum thickness of base metal NFe	50 µm – Zero point adjustment on original substrate (accuracy checked up to 250 µm)

\* For cleaning use a damp, soft, lint-free cloth. In case of intense soiling, if cleaning with water is not sufficient, please use mild cleanser.

## Qnix<sup>®</sup> coating thickness gauges are global players



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