

# Coating Thickness measuring with the virtual gauge



# QuaNix<sup>®</sup> 232

for the RS 232 interface  
with unique  
modular technique,  
developed for  
the requirements  
of the future



- take and evaluate readings directly with the PC
- no modification of PC-hardware required
- no external power supply required
- compatible with the complete probe program of the QuaNix<sup>®</sup>-family

- control via QuaNix<sup>®</sup>-software or
- integration into process control by individual programming
- direct connection to RS-232-interface

- QuaNix<sup>®</sup> = Quality Control by ElectroNix

A Product of

**AUTOMATION**  
DR.NIX GmbH **KÖLN**



## General

The **QuaNix®232** opens completely new applications in production control. The gauge is directly connected to a PC or Laptop, and in conjunction with the QuaNix®-software, the user has a complete test and documentation system for laboratory and production control.

But the **QuaNix®232** also offers a completely new feature. Instead of importing test results from a separate test setup, the user can create a program module for the control of the **QuaNix®232** and implement it in his test software. This allows optimum integration of the coating thickness measurements in the existing process control.

No modification of the hardware is required when connecting the gauge to a PC or Laptop. It can be directly connected to the 25-pin connector or via adapter to the 9-pin connector of the serial interface of the PC.

Of course the **QuaNix®232** takes advantage of the modular concept of the **QuaNix®**-family. All probes available from the **Qua-Nix®**-family can be operated with the gauge.

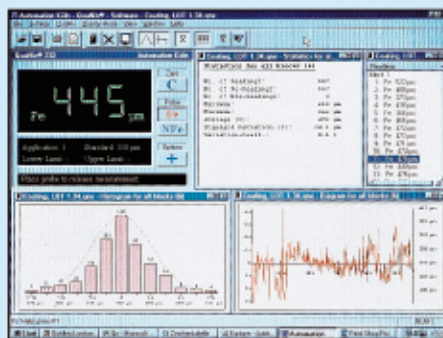
## Features

- take and evaluate readings directly with the PC or Laptop
- no modification of the PC-hardware required
- direct connection to serial RS232-interface of the PC via 25-pin D-SUB-socket
- no external power supply required
- operation via **QuaNix®**-software or
- integration into process control by individual programming
- probe cable for extended operating range available
- all probes of the **QuaNix®**-family connectable
- 5 application specific memories per probe for individual calibration and process control
- minimum and maximum limits programmable for process control

## Technical Data QuaNix® 232

Substrate	steel and iron	Fe-probe
Non-magnetic metals, e.g.	Aluminium, Zinc, Copper, Brass	NFe-probe
Measuring Range	standard	0.0 - 2000 µm (0.00 - 80 mil) (convertible)
	optional	0.0 - 5000 µm (0.00 - 200 mil) (convertible)
Display		from 0.00 - 999 in µm from 1.00 - 5.00 in mm resp. from 0.00 - 200 mil
Accuracy	standard	± (1 µm+2%)* in the range of 0-2000 µm
	optional	± (1 µm + 2%)* in the range of 0-999 µm ± 3.5 % * in the range of 1.00 - 5.00 mm (* of reading)
Minimum Area		10 x 10 mm <sup>2</sup> (0.4" x 0.4")
Minimum Curvature		5 mm (0.2") convex 25 mm (1") concave
Minimum Substrate Thickness		Fe: 0.2 mm (0.01") NFe: 0.05 mm (0.002")
Temperature Range		0°C to 60 °C (40°F to 140°F)
Probes		One-point, all probes of the QuaNix®-family connectable
Memory		all readings are stored in the PC
Blocks		defined by user
Length of Probe Cable		standard 2 m (6 ft) other lengths upon request
Interface		RS232 (25-pin socket)
Power Supply		directly from the PC
Dimensions		55 x 53 x 15 mm (2.2" x 2.1" x 0.6")
Weight		about 70 g

Technical data subject to change without notice



## Delivery Range

- coating thickness measuring gauge **QuaNix®232** with probe cable 2 m
- instruction manual
- programming instructions for individual control software
- **QuaNix®**-software for control and comprehensive data evaluation
- Fe-/NFe/Dual-probes with measuring range 2000 µm (80 mil) and 5000 µm (200 mil)

- right angle probe, rigid, 0 - 2000 µm (80 mil)
- right angle probe, flexible, 0 - 2000 µm (80 mil)
- underwater probe with measuring range 2000 µm (80 mil) and 5000 µm (200 mil), length of cable up to 60 m (200 ft)

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