Coating Thickness
measuring with the
QuaNix®
1500

The patented
Combination Gauge
for steel **and**
aluminium

Fe

AUTOMATION KÖLN
99.8 µm

QuaNix
1500

Illustration real size

**Just place
and read**

- No calibration
  for Fe or NFe

- Measuring
  range 0 - 5000 µm
  for Fe or NFe

- Built-in ruby probes
  – the gauge for
  people on the job

- Memory, statistics
  and interface (optional)

- Four gauges in one –
  at the price of one

- **QuaNix**® = **Qua**lity Control
  by Electro**Nix**

A product of

AUTOMATION KÖLN
DR.NIX GmbH

**DIN ISO
9001**
Zertifiziertes Qualitätsmanagementsystem

General

At **Automation Köln** coating thickness measuring has a long tradition and lead to several revolutionary and unique developments of thickness measuring gauges.

In the 80´s, Automation Köln lanced a coating thickness gauge called Posi-Tector®. This small and easy-to-use instrument equipped with an electronically controlled micro-spindle was patented worldwide and is still unbeaten with regard to accuracy. Also this gauge has become a worldwide standard. Therefore it is not astonishing at all that from time to time there are gauges imitating the successful Original-PosiTector®.

Beginning of the 90´s **Automation Köln** has created another new and innovative conception. The **QuaNix® 1500** comprises four gauges for the price usually paid for one and even less than that.

Due to the integration of two probes Fe and NFe in the **QuaNix®1500** all non-magnetic coatings on steel and iron as well as all non-conductive coatings on non-ferrous metals such as Aluminium, Copper, Zinc or Brass can be measured – no exchange of cables and no lengthly calibration is necessary to change from a ferrous substrate to a non-ferrous substrate. Simply turn the gauge over and use the well marked and appropriate measurement probe.

The **QuaNix®1500** measures coating thickness very precisely. Its broad spectrum of applications on various metal substrates as well as the expanded measuring range of **0 to 5000 µm for both measuring principles Fe and NFe** are remarkable. Normally four instruments are needed for this range – one for the lower and one for the upper range and for each of the two measuring principles.

Therefore "4 in 1 at the price of 1" is not just a simple advertising slogan. This is the motto of an innovative development, offering the user a wide range of applications at a very attractive price.

The **QuaNix®1500** is designed for various measuring tasks. Due to the latest electronical technologies, the **QuaNix®1500** is a small, easy-to-use and very robust instrument, despite its wide range of application. This is the perfect gauge for people on the job:

Just place and read !

Technical Data QuaNix®1500

Substrate	
Steel and Iron	Fe-probe
Non-magnetic Metals, e.g. Aluminium, Zinc, Copper, Brass	NFe-probe
Measuring Range	0.0 - 5000 µm resp. 0.00 - 200 mil (convertible)
Display of Readings	from 0.00 - 999 in µm
	from 1.00 - 5.00 in mm
resp.	from 0.00 - 200 mil
Accuracy	± (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 mm²
Minimum Curvature Radius	5 mm convex
	25 mm concave
Minimum Thickness of Substrate	Fe: 0.2 mm
	NFe: 0.05 mm
Temperature Range	0°C - 60 °C
Display	Digital (LCD)
Probes	One Point, integrated
Power Supply	9 Volt E Block Battery (alcaline)
Dimensions	Length 166 mm, Width 64 mm, Height 34 mm
Weight	ca. 130 g with battery
Memory (optional)	3900 Values
Block Segmentations (optional)	up to 999
Statistics (optional)	Mean, Maximum, Minimum
Interface (optional)	RS 232

Technical data subject to changes without notice

Features

- both probes Fe and NFe integrated in the gauge
- large measuring range 0 – 5000 µm
- high accuracy over entire measuring range
- no switching between measuring ranges necessary
- no change of probes necessary
- comfortable one hand operation
- no plugs or connectors
- high reliability even under rough operating conditions
- almost no calibration required
- automatic ON/OFF-switching
- measurements even in hard to reach areas
- storage of last reading
- duplex display to be legible in all positions
- non-wearing ruby probe tip
- V-groove for measurements on rods and other curved surfaces
- 9-Volt-block battery for thousands of measurements

Scope of Supply

- Gauge **QuaNix®1500**
- 9-Volt-Block Battery (alcaline)
- Pouche with Zero Plate
- Instruction Manual

Optional

- **QuaNix®1500** with memory, statistic functions and interface RS232
- Interface cable RS232 with connector and plug for PC
- PC-software for data readout and processing for DOS/Win3.11 or Win95/NT