

**NEW:  
Two in One**

# The Dual Probe for the QuaNix®-Family



This new product is an ideal supplement for the thickness measuring gauges **QuaNix®7500**. For the development of the Dual Probe the standard probes for Fe and NFe and measurements have been miniaturized so that both probes could be combined in one housing. In a test field, where different materials require both measuring principles, or on a steel substrate a zinc layer has to be separated from an overlying paint layer, no exchange of probes is required. However the user still takes advantage of the proven quality of the single probe technology that was developed for the individual measuring tasks. And all this at a lower price than for two single probes !

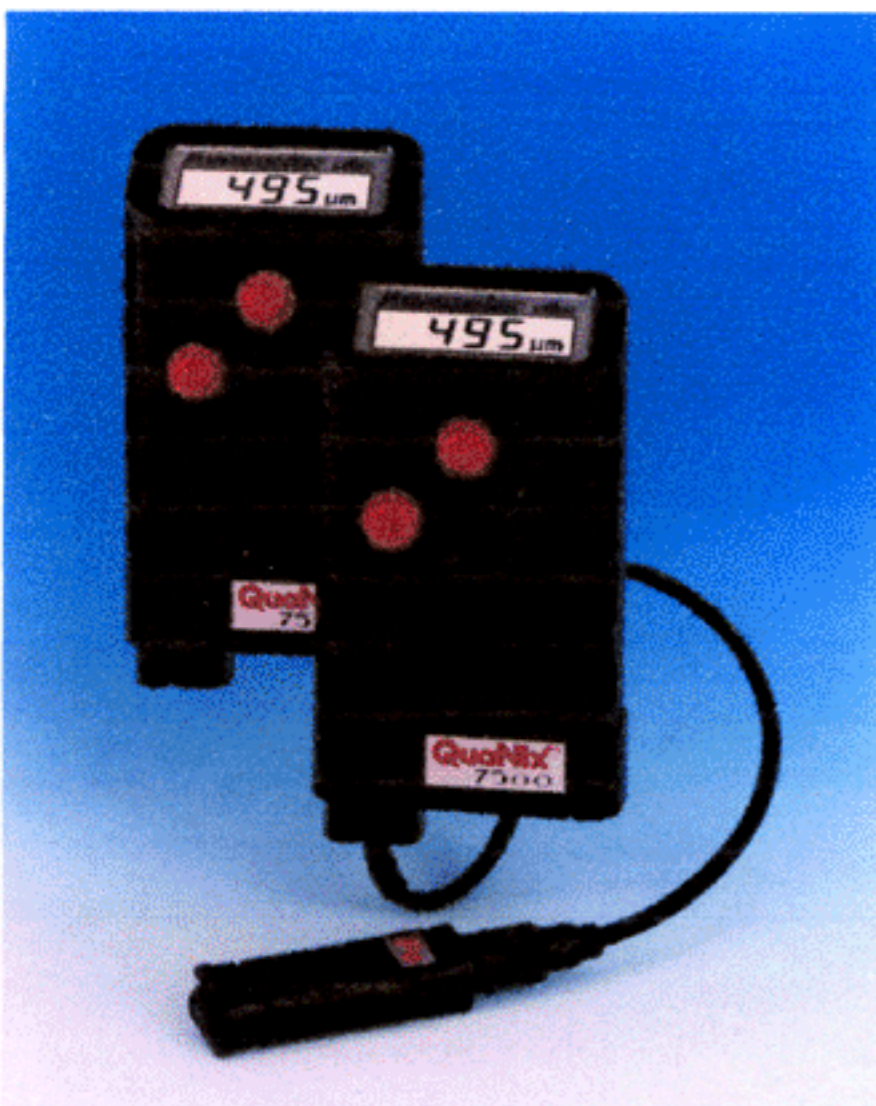
The probes are available with a measuring range of 2000 µm (80 mil) and 5000 µm (200 mil).

Handling of the Dual Probe is as easy as with the single probes. The Fe- and Nfe calibration is stored in the probe. No individual adjustment is required.

The selection of the measuring principle is done by the user. The selected principle is displayed. So the user knows what he is measuring !

Technical data		
Substrate	Fe-Probe NFe-Probe	Steel, Iron Non-magnetic Metalls e.g. Aluminium, Copper, Zinc, Brass
Measuring Range	(Standard) Fe-Probe NFe-Probe (Extended) Fe-Probe NFe-Probe	0 to 2000 µm ( 0 to 80 mil) 0 to 2000 µm ( 0 to 80 mil) 0 to 5000 µm ( 0 to 200 mil) 0 to 5000 µm ( 0 to 200 mil)
Accuracy		0 to 2000 µm ± (2 % + 1.5 µm) 2000 to 5000 µm ± 3.5 %
Minimum Object Size		10 x 10 mm <sup>2</sup> ( 0.4" x 0.4")
Minimum Curvature	convex concave	5 mm ( 0.02" ) 25 mm ( 1" )
Minimum Substrate Thickness	Fe-Probe NFe-Probe	0.2 mm ( 8 mil ) 0.05 mm ( 2 mil )
Temperaturbereich	Storage Operating	-10°C to 60°C (14°F to 140°F) 0°C to 60 °C (32°F to 140°F)
Probe		One-Point

Technical data subject to change without notice



- Two Probes - One Housing
- All Calibrations stored in the probes
- Lower Price than for two single Probes



**QuaNix® =  
Quality Control by ElectroNix**

**AUTOMATION**  
DR. NIX GmbH KÖLN

Robert-Perthel-Str. 2 • D - 50739  
Köln Tel. ++49 - (0)221-171683 und  
917 455-0 Fax ++49 - (0)221-171221  
und 917455 - 99 E-mail:  
automation@netcologne.de  
Internet: <http://www.netcologne.de/automation>

**AUTOMATION**  
DR. NIX USA

P.O.Box 563 • Westminster • MD21158-0563,  
USA Tel. ++1 - 410-857-3819 und ++1-800-678-  
4370 Fax ++1 - 410-857-3818  
E-mail: [automatn@erols.com](mailto:automatn@erols.com)  
Internet: <http://www.automation-usa.com>

# QuaNix® 7500

## Coating Thickness Measuring System with Probes for various Applications



The well established family of coating thickness measuring gauges **QuaNix®7500**, developed and manufactured by **Automation Dr. Nix GmbH Cologne in Germany**, has been expanded by new probes.

The basic concept of this family is the standardized probe interface that allows to operate different probes with only one gauge.

The family started with probes using highly specialized sensors for measurements on ferrous and non-ferrous substrates. Both standard probes are available with measuring ranges of 0 to 2000  $\mu\text{m}$  and 0 to 5000  $\mu\text{m}$ .

### Dual Probe

For customers who need to measure on both ferrous substrates such as steel or iron, and non-ferrous substrates such as Aluminium, Copper, Brass, etc., the **Dual Probe** was designed. The specialized sensors for ferrous and non-ferrous substrates, used in the standard probes, have been integrated in one housing. So there is no need to exchange probes when changing the substrate. The customer only has to press a button of the gauge to change from ferrous to non-ferrous measurements or vice versa. The method actually being used is shown on the display of the gauge. And all this at a price lower than that for two

individual probes. The **Dual Probe** is available with measuring ranges of 0 to 2000  $\mu\text{m}$  and 0 to 5000  $\mu\text{m}$ .

### Right Angle Probes

For measurements on narrow spots and in tubes two different **Right Angle Probes** were developed. The rigid probe has the sensor mounted directly on the side of a rod to allow measurements be taken even in very thin pipes. This version is designed to be primarily used in laboratories.

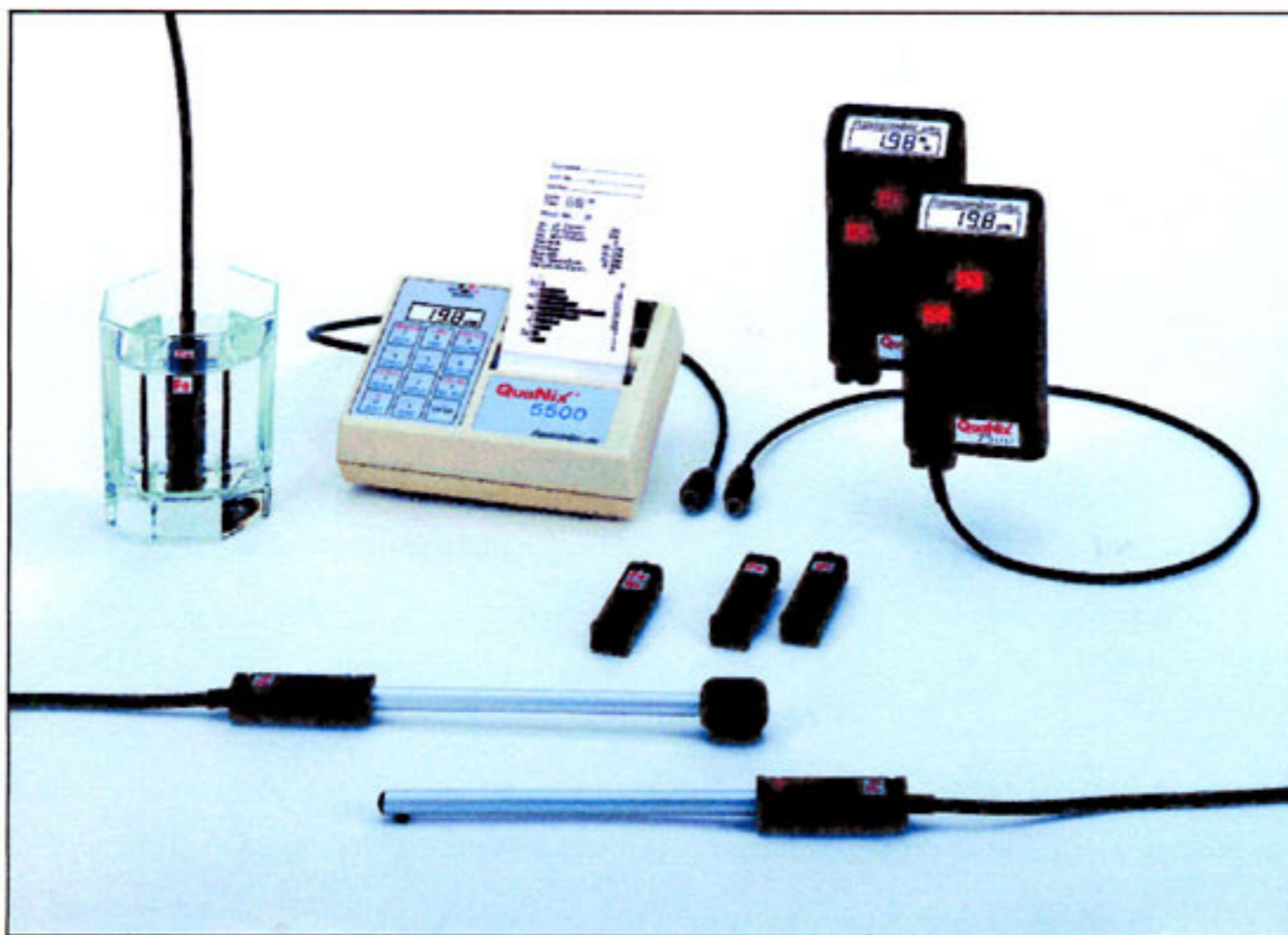
The other Right Angle Probe has a two-axial suspension for the sensor. This makes handling easy because the suspension will automatically place the sensor vertically on the measuring surface. Both types of probes are available for measurements on ferromagnetic substrates such as steel and iron as well as for non-ferrous substrates such as Aluminium, Copper, and Brass. The measuring range is 0 to 2000  $\mu\text{m}$ .

### Underwater Probe

The **Underwater Probe** was designed for the marine industry, but can also be used for similar applications such as corrosion checks at offshore equipment or in tanks. They allow to inspect coatings even in salt water. The probe can be supplied with a cable length of up to 60 meter, an operating range wide enough to dive under the ship. This solution is very cost effective because there is no need to seal the housing of the gauge for higher water pressure. The probe is available with a

measuring range of 0 to 2000  $\mu\text{m}$  and 0 to 5000  $\mu\text{m}$ .

The probes are designed for rough environment. As with all our probes almost no calibration is required. This makes handling easy and eliminates errors.



**AUTOMATION**  
DR. NIX GmbH KÖLN

Robert-Perthel-Str. 2  
D - 50739 Cologne, Germany

Tel. ++49 - 221 - 17 16 83 and  
++49 - 221 - 91 74 55 - 0  
Fax ++49 - 221 - 17 12 21

E-Mail: automation@netcologne.de  
Internet:  
<http://www.netcologne.de/automation>