

Equipment

Scope of supply

- ▶ Handheld gauge with optional probe
- ▶ 2 batteries AA 1,5V (alkaline)
- ▶ Adapter cable for external probe
- ▶ Instruction manual
- ▶ Test certificate for optional probe
- ▶ Soft pouch with clip
- ▶ Case for transport and storage



Options

- ▶ Fe-Probe 2 mm (80 mil)
- ▶ Fe-Probe 5 mm (200 mil)
- ▶ NFe-Probe 2 mm (80 mil)
- ▶ Dual-Probe Fe/NFe 2 mm (80 mil)
- ▶ Dual-Probe Fe/NFe 5 mm (200 mil)
- ▶ Calibration shims, Zero reference plates, also available as set
- ▶ **QuaNix®**-Software for transfer to and evaluation of the data in EXCEL and for gauge configuration (*)
- ▶ USB interface (including extension cable) for wireless bi-directional data transfer between gauge and PC (*)

(*) Already included in the scope of supply of the **QuaNix®8500** Premium version

Design: www.streng-christi.de

Non Destructive Coating Thickness Measurement

QuaNix[®]

8500



Original gauge size



VIET NAM AGENTS :

PROCHEM (VN) TRADING CO., LTD

Add : 20, 19C, BINH TRI DONG B Ward, BINH TAN Dist, HCMC, VIET NAM

Tel : 84-8-6260 1171/ 3762 0322 ~ 23

Fax : 84-8- 3762 0010

Website: <http://www.prochem.vn>

E-Mail: prochem.viet@gmail.com

Subject to change without notice!

The Gauge System Setting New Standards

- ▶ Modular system with exchangeable probes up to 5 mm measuring range
- ▶ Easy-to-use menu – even for user specific calibrations
- ▶ Broad variety of applications
- ▶ Wireless data transfer via USB

NEW



- ▶ Elegant modern design for One-Hand-Operation
- ▶ Modular system with exchangeable digital probes
- ▶ Durable chassis for on-site operations
- ▶ Basic and Premium version available

Display

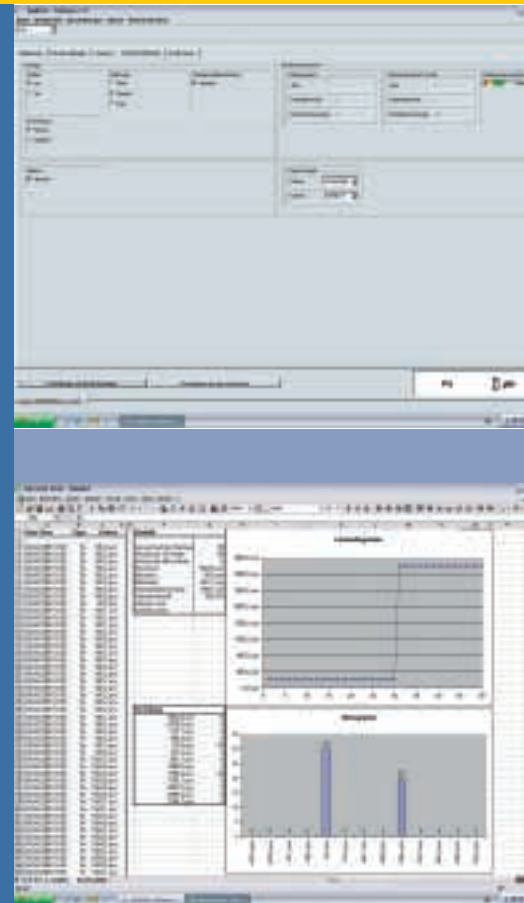
- ▶ Clear graphic display with high resolution
- ▶ All languages can be displayed
- ▶ Backlit display
- ▶ Flip option by 180 degrees

Keypad

- ▶ State of the art keypad with illuminated keys
- ▶ Easy to use menu
- ▶ Two colour LED display to read measurement process, data transfer and monitoring of limits



Exchangeable Fe, NFe and dual probes



Screenshots

- ▶ Wireless bi-directional data transfer between gauge and PC via USB
- ▶ Automatic identification of gauges, including transfer of data and settings
- ▶ Easy configuration of all major functions of the QuaNix®8500 on the PC
- ▶ Simultaneous operation and administration of multiple QuaNix®8500 gauges
- ▶ All languages installable via editor (including gauge software)
- ▶ Downloadable software updates via Internet
- ▶ Online measurements
- ▶ OnScreen Help
- ▶ Easy export of readings into Excel for statistical functions (data and graphics)
- ▶ QuaNix®8500 Software searches for existing Excel version on the PC and starts it before data transfer automatically

Menu Structure

QuaNix®

8500 Basic

8500 Premium

Technical Data

Measuring Mode ▶

Substrate Selection	Fe/NFe - Fe - NFe Combined Measurement	●	●
Measurement Type	Single Measurement Continuous Measurement	●	●
Upper-/Lower Limit Averaging		●	●

Data Memory ▶

(* max. 2000 measurements per batch)

Readings		up to 100	up to 13000*
Number of Batches		1	999
Batch name - Info - Upper-/lower limit			●

Statistics ▶

Mean/Standard Deviation/Maximum/ Minimum - also for the Batch/Batches		●	●
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Calibration ▶

Number of Custom Calibration (one-point/two-point) Average Zero		1	100
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Setup ▶

Display	Unit: μm/mil Resolution: Coarse/Normal/Fine Backlight: Auto/OFF Orientation: Normal/Flip	●	●
Wireless Interface: ON/OFF		●	●
Display System Info		●	●
Language: up to 3		●	●
Buzzer: On/OFF		●	●
Date/Time		●	●

Fe-Probe ▶

Measurements on iron and steel substrate

NFe-Probe ▶

Measurements on non-magnetic metal substrates, such as aluminum, zinc, copper, brass, stainless steel

Range ▶

see specification of probes

Resolution ▶

0,1 μm	0 to 99,9 μm	0.01 mil	0 to 9.99 mil
1 μm	100 bis 999 μm	0.1 mil	10 to 100 mil
0,01 mm	≥ 1,00 mm	1 mil	> 100 mil

Accuracy ▶

(* of reading)

(factory calibration on zero reference plates supplied with the gauge)
± (1 μm + 2%*) 0 bis 2000 μm
± (0.04 mil + 2%*) 0 to 80 mil
± 3,5%* > 2000 μm (80 mil)

With the one-point or two-point calibration the accuracy can still be improved using the optionally available test shims.

- Minimum Area ▶**
- Minimum Curvature ▶**
- Minimum Substrate Thickness ▶**

Fe-Probe 20 x 20 mm ² (0.8" x 0.8") convex 5 mm (0.2") Fe-Probe 0,2 mm (8 mil)	NFe-Probe 20 x 20 mm ² (0.8" x 0.8") concave 30 mm (1.2") NFe-Probe 0,05 mm (2 mil)
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Interface ▶

wireless 2.4 GHz, range max. 10 m (30ft) in undisturbed environment

Temperature Range

Storage -10°C to 60°C (14°F to 140°F)	Operation 0°C to 50°C (32°F to 122°F)
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- Power Supply ▶**
- Dimensions ▶**
- Weight ▶**

2 x batteries (AA) 1.5V Alkali, or 2 x rechargeable batteries (AA) 1.2V
124 mm x 67 mm x 33 mm (4.9" x 2.6" x 1.3")
ca. 120 g (4.3 oz) gauge with batteries and probe