

The new generation of thickness measurement instruments.

- Illuminated graphical display and keypad
- Easy to use menu
- One-hand operation
- Flip display by 180 degrees
- Multi language support
- Enhanced statistics
- Modular design with exchangeable probes
- Automatic and user specific calibration
- Wireless data transfer to PC (optional)
- Durable probes with ruby sensors

The byko-test 8500 is the modern successor of the byko-test 7500 family. The instrument has enhanced functions and improved accuracy. It is an easy to use instrument for a broad variety of applications, state of the art and ready for future needs.

To models are available for different requirements:

Basic version

With all important functions needed to measure and evaluate the thickness of non-metal layers on metal substrates. Basic statistical functions, memory for up to 100 readings, optional wireless connection to a PC and data transfer to Excel.

Premium version

Enhanced statistical functions, Batch measurement with up to 13000 measurements in 999 batches, memory for up to 100 custom calibrations, Software and wireless data transfer included.



Standards

ASTM	B 499	D 1400
BS	3900 Part C5	5411 (3,11)
DIN	50981	50984
DIN EN ISO	2360	2808
EN ISO	2178	

Ordering Information

Cat. No.	Description
GB-3661	byko-test 8500 basic Fe
GB-3662	byko-test 8500 basic NFe
GB-3663	byko-test 8500 basic Fe/NFe
GB-3664	byko-test 8500 premium Fe
GB-3665	byko-test 8500 premium NFe
GB-3666	byko-test 8500 premium Fe/NFe

byko-test 8500 basic comes complete with:

Instrument; 80 mil Sensor; 2 Mignon-Batteries 1.5V (AA) (Alkaline); Adapter cable for external sensor; Instruction manual; Certificate for sensor; softbag; carrying case; Zero plates

byko-test 8500 premium comes complete with:

Instrument; 80 mil Sensor; 2 Mignon-Batteries 1.5V (AA) (Alkaline); Adapter cable for external sensor; Instruction manual; Certificate for sensor; Softbag; Carrying Case; Zero plates; QuaNix®-Software; USB-wireless connector incl. Elongation cable

Resolution	0.01 mil, 0 - 9.99 mil 0.1 mil, 10 - 80 mil
Accuracy	± (0.04 mils + 2%) 0 to 80 mils ± 3.5%* > 80 mils
Minimum Area of Measurement	Fe: 0.8 x 0.8 ", NFe: 0.8 x 0.8 "
Minimum Curvature	convex 0.2 "; concave 1.2 "
Minimum Substrate Thickness	Fe: 8 mils; NFe: 2 mils
Communication	Wireless Connection 2.4 GHz, distance max. 10 m (without)
Temperature Range	Storage 14° F to 140°F, Operation 32°F to 122°F
Power Supply	2 x Mignon-Batteries (AA) 1.5V Alkali, or 2 x rechargeable (AA) 1.2V
Dimensions	4.9 x 2.6 x 1.3 "
Weight	ca. 120g (instrument with batteries and probe)

Accessories

Cat. No.	Description
GB-3640	byko-test 8500 basic without sensor
GB-3647	byko-test 8500 premium without sensor
GB-3642	Fe-sensor 80 mils
GB-3643	Fe-sensor 200 mils
GB-3644	NFe-sensor 80 mils
GB-3645	Dual-Sensor Fe/NFe 80/80 mils
GB-3646	Dual-Sensor Fe/NFe 200/80 mils
GB-3739	Set of 5 Certified Calibration Shims 0.5 mils to 20 mils
GB-3747	QuaNix®-Software
GB-3748	USB-wireless connector incl. Elongation cable