

Coating Thickness Measurement

MiniTest 70E / 70B



Focusing on the substance

- Gauges for use on the shop floor or for use by automobile experts and other quality inspectors
- High degree of ergonomics, technology and product quality
- For all non-magnetic layers such as paint, enamel, chrome, zinc plating on steel
- For all insulating coatings such as paint, anodizing, ceramics on non-ferrous metals such as aluminium, copper, zinc die cast, brass, etc.

**Single-button operation –
switch on and take readings**

MiniTest 70E and MiniTest 70B

Especially designed for quick and easy non-destructive coating thickness measurement, the economical and basic models **MiniTest 70E** and **70B** are suitable for all non-magnetic coatings applied on steel and insulating coatings applied on non-ferrous-metals.

Focusing on easy operation, the small and handy gauges are the ideal tool for the mobile on-site use. No prior knowledge or instructions are required: Just switch on and proceed on measurement. The acquisition of a reading is confirmed by an audible signal.

A built-in dual sensor FN is available to identify the substrate material. According to the material, the gauge will automatically set to the matching measuring principle: magnetic induction or eddy-currents.

Scope of Delivery

- Gauge with built-in sensor
- 2 zero reference plates
- 1 control standard
- 1 AA (Mignon) battery
- operating instructions
- belt pouch

Further Gauges from the ElektroPhysik Range of Products

- MikroTest thickness gauges
- MiniTest digital thickness gauges
- QuintSonic 7 ultrasonic coating thickness gauges
- MiniTest 7200/7400 FH digital wall thickness gauges
- MiniTest 420, 430, 440 ultrasonic thickness gauges
- PoroTest 7 holiday detectors

Technical Data		
	70E FN	70B FN
Measuring range	F: 0...3 mm / 120 mils N: 0...2.5 mm / 100 mils	F: 0...3 mm / 120 mils N: 0...2.5 mm / 100 mils
Measuring uncertainty	± (5 µm + 5 % of reading) ± (0.2 mils + 5 % of reading)	± (2 µm + 3 % of reading) ± (0.08 mils + 3 % of reading)
Low range resolution	5 µm / 0.2 mils	1 µm / 0.04 mils
Geometry of measuring sample		
Curvature radius, convex	F: > 50 mm / 2" N: > 200 mm / 8"	> 10 mm / 0.4"
Curvature radius, concave	F: > 100 mm / 4" N: > 250 mm / 10"	> 50 mm / 2"
Diameter of measuring spot	> 50 mm / 2"	> 50 mm / 2"
Minimum substrate thickness	F: 0.7 mm / 28 mils N: 0.1 mm / 4 mils	F: 0.7 mm / 28 mils N: 0.1 mm / 4 mils
Units of measurement	metric / imperial (user selectable)	metric / imperial (user selectable)
Calibration procedure	factory calibration	factory calibration, zero calibration

ElektroPhysik

Pasteurstr. 15 · 50735 Cologne · Germany
 Phone: +49 221 75204-0 · Fax +49 221 75204-67
 www.elektrophysik.com · info@elektrophysik.com

