

Coating thickness
measurement

MikroTest[®] 7 digital



for all non-magnetic coatings on steel,
e.g. paint, plastics, enamel, rubber, copper,
zinc, tin etc.

- Proven measuring principle
- No calibration required
- High resolution of measuring values
- International patents
- Measuring range up to 15 mm

MikroTest® 7 digital

Proven measuring principle

Coating thickness measurement using the magnetic attraction principle has proved to be reliable, accurate and easy to operate for more than 50 years.

The MikroTest® has set a standard in all industrial areas worldwide where corrosion protection has a high priority. Close to a Million MikroTest® gauges have been supplied over the years.

The measuring principle is still based on the attraction force of a permanent magnet on steel as described in international industrial standards: DIN EN ISO 2178, DIN EN ISO 2808, DIN 50 982, ASTM B499, E376, D1186, G12.

High resolution of measuring values

When measuring thin coatings, the readings are displayed in increments of 1 or 0.5 microns. The instrument also benefits high accuracy (unmatched so far) for the measurement of high thickness values.

Now offering digital display

The patented MikroTest® 7 digital is continued evidence of ElektroPhysik's commitment to investigate and implement new technologies in order to improve even existing products like the "original banana" gauge. In addition to the digital display of the reading, measurements are produced within 2 to 3 seconds and the measuring accuracy has been considerably increased.

No calibration

As all MikroTest® gauges, the new MikroTest® 7 digital requires no cali-

bration. The factory setting ensures utmost accuracy over the complete measuring ranges.

Quick and precise measurement

In comparison to other "banana" gauges working according to the principle of magnetic attraction, the new technology of the MikroTest® 7 gives reliable and accurate readings after just 2 to 3 seconds.

Easy to operate

For taking a reading just press the button and read the coating thickness on the display in microns or mils.



Technical Data

	MikroTest® 7 G	MikroTest® 7 F	MikroTest® 7 S5	MikroTest® 7 S15
Measuring range (metric):	0...300 μm	0...1.5 mm	0.5...5.0 mm	4.0...15.0 mm
Measuring range (mils):	0...12 mils	0...60 mils	20...200 mils	160...590 mils
Tolerance*:	± 3 μm/0.12 mils or ± 3%**	± 5 μm/0.2 mils or ± 3%**	± 4%**	± 4%**
Resolution starting from:	0.5 μm/0.02 mils	1 μm/0.05 mils	5 μm/0.2 mils	10 μm/0.5 mils
Minimum area for measurement:	20 mm Ø/0.8 inch Ø	30 mm Ø/1.2 inch Ø	50 mm Ø/2.0 inch Ø	100 mm Ø/4.0 inch Ø
Minimum substrate thickness:	0.5 mm/20 mils	0.5 mm/20 mils	1 mm/40 mils	3 mm/120 mils
Power supply:	6 V, 4LR44			
Ambient temperature:	-10°... 50°C/14°F...122°F			
Dimensions:	210 mm x 58 mm x 32 mm/8.3 inch x 2.3 inch x 1.3 inch			
Weight (gauge):	310 g (11 ozs)			

* max. value applies
** of reading



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