

MP-827FN COATING THICKNESS METER



1.FEATURES

- * It meets the standards of both ISO2178 and ISO 2361 as well as DIN, ASTM and BS. It can be used both in the laboratory and in harsh field conditions.
- * The F probes measure the thickness of non-magnetic materials (e.g. paint, plastic, porcelain enamel, copper, zinc, aluminum, chrome etc.) on magnetic materials (e.g. iron, nickel etc.). often used to measure the thickness of galvanizing layer, lacquer layer, porcelain enamel layer, phosphide layer, copper tile, aluminum tile, some alloy tile, paper etc.
- * The N probes measure the thickness of non-magnetic coating on non magnetic metal. It is used on anodizing, varnish, paint, enamel, plastic coatings, powder, etc. applied to aluminum, brass, non-magnetic stainless steel, etc.
- * Automatic substrate recognition.
- * Manual or automatic shut down.
- * Two measurement mode: Single and Continuous
- * Wide measuring range and high resolution.
- * Metric/Imperial conversion.
- * Digital backlit display gives exact reading with no guessing or errors.
- * Can communicate with PC computer for statistics and printing by the optional cable.
- * Can store 99 groups of measurements.
- * Statistics is available.

2.SPECIFICATIONS

Display: 4 digits LCD, backlit

Range: 0~1250 μm /0~50mil (other ranges can be specified)

Min.radius workpiece: F: Convex 1.5mm/Concave 25mm N: Convex 3mm/ Concave 50mm

Min. measuring area: 6mm

Min.Sample thickness : 0.3mm

Resolution: 0.1 μm (0~99.9 μm); 1 μm (over 100 μm)

Accuracy: $\pm 1\sim 3\%$ or 2.5 μm or 0.1mil (Whichever is the greater)

Battery Indicator: Low batter indicator.

PC interface: with RS-232C interface

Power supply: 2x1.5 AAA(UM-4) battery

Operating condition: Temp. 0~50°C . Humidity <95% .

Size: 126x65x35 mm; 5.0x2.6x1.6 inch

Weight: about 81g(not including batteries)

Standard accessories:

Carrying case1 pc.
F probe in built1 pc.
Calibration foils1set.
Substrate (Aluminium).....1 pc.

Operation manual 1 pc.
NF probe in built.....1 pc.
Substrate (Iron)1 pc.