



Coating Thickness Testers

Electromagnetic Coating Thickness Tester

Model **LE-370**



The LE-370 is a coating thickness tester capable of measuring the thickness of films such as electroplate (not including nickel electroplating) and paints coated onto ferrous metal substrates. It can transfer data to printers or PCs, and is also capable of simple statistical analysis, such as recording the number of measurements, average value, maximum and minimum values, and standard deviation.

Specifications

Measurement method	Electromagnetic Induction Method
Applications	Non-magnetic coating on ferrous metal
Measurement range	0-2500 μ m or 99.0mils
Measurement precision	<50 μ m $\pm$ 1 μ m, $\geq$ 50 μ m to <1000 μ m $\pm$ 2%, $\geq$ 1000 μ m $\pm$ 3%
Resolution	<100 μ m, 0.1 μ m; $\geq$ 100 μ m, 1 μ m
Data memory	Approx. 3000 points
Application memory	100 types of calibrations curves
Probe	Single-point constant-pressure type probe (LEP-J)
Display format	Digital (Backlit LCD, smallest displayed unit 0.1 μ m)
External output	PC or printer output (RS-232C)
Power source	4x 1.5V batteries ("AA" size Alkaline)
Power consumption	80 mW (when backlight OFF)
Battery life	100 hrs (constant operation, backlight OFF)
Operating environmental	0-40°C
Functions	16 types of internal functions
Dimensions & weight	75(W) x 145(D) x 31(H) mm, 0.34 kg
Accessories	Calibration plate set, Ferrous metal substrate, Carrying case, 4 x 1.5V batteries ("AA" size Alkaline)
Options	Calibration plates (thicknesses other than those available as standard accessories), Measuring stand LW-990, Printer VZ-330, Printer cable (can be connected to a PC via commercially available USB converter)

Eddy-current Coating Thickness Tester

Model **LH-370**



The LH-370 is a coating thickness tester capable of measuring the thickness of insulating coatings on non-ferrous metal substrates. While having the same functions as the LE-370, which measures coatings on ferrous metal substrates, it is also capable of precisely measuring comparatively thin coatings, such as alumite.

Specifications

Measurement method	Eddy-current Method
Applications	Insulating coating on non-ferrous metal substrate
Measurement range	0-1000 μ m or 40.0mils
Measurement precision	<50 μ m $\pm$ 1 μ m, $\geq$ 50 μ m to <1000 μ m $\pm$ 2%, $\geq$ 1000 μ m $\pm$ 3%
Resolution	<100 μ m, 0.1 μ m; $\geq$ 100 μ m, 1 μ m
Data memory	Approx. 3000 points
Application memory	100 types of calibrations curves
Probe	Single-point constant-pressure type probe (LHP-J)
Display format	Digital (Backlit LCD, smallest displayed unit 0.1 μ m)
External output	PC or printer output (RS-232C)
Power source	4x 1.5V batteries ("AA" size Alkaline)
Power consumption	80 mW (when backlight OFF)
Battery life	100 hrs (constant operation, backlight OFF)
Operating environmental	0-40°C
Functions	16 types of internal functions
Dimensions & weight	75(W) x 145(D) x 31(H) mm, 0.34 kg
Accessories	Calibration plate set, Aluminium substrate, Carrying case, 4 x 1.5V batteries ("AA" size Alkaline)
Options	Calibration plates (thicknesses other than those available as standard accessories), Measuring stand LW-990, Printer VZ-330, Printer cable (can be connected to a PC via commercially available USB converter)