



Coating Thickness Testers

Wireless, Dual-Type Coating Thickness Tester Model **LZ-200W**

Wireless Model



Superior technology supported the development of the world's first wireless probe coating thickness testers. All measurement data is transferred from the probe to the main unit, which is capable of storing up to 1,500 data entries.

Specifications

Measurement principle	Dual Electromagnetic / Eddy-current
Applications	Non-magnetic coatings on iron and steel (magnetic metal) Substrates and insulating coatings on non-magnetic metal substrates
Measurement range	Electromagnetic Type: 0 ~ 1500mm or 60.00mils Eddy-current Type: 0 ~ 800mm or 32.00mils
Measurement precision	Electromagnetic type: $\pm 0.3\text{mm}$ (absolute error) under 50mm $\pm 2\%$ (relative error) at or above 50mm Eddy-current type: $\pm 0.1\text{mm}$ (absolute error) under 50mm $\pm 3\%$ (relative error) at or above 50mm
Resolution	0.1mm under 100mm, 1mm over 100mm
Number of calibration	4 Electromagnetic type, 4 Eddy-current type
Memory capacity	1500 coating thickness measurements maximum
Statistical functions	Number of measurements, average value, standard deviation, maximum value, minimum value, block numbers
External output	Standard RS-232C (transmission speed 2400bps)
Power source	Main Unit: 100V AC or 9V DC (10 size "AA" alkaline batteries, 6 batteries for circuit section and 4 for the printer section.) Probe: 7.5V cylinder battery 2CR 1/3 (Uses 1)
Battery life span	Main unit: 30 hours Probe: 14 hours
Operating temperature range	0 ~ +40°C
Dimensions & Weight	Main Unit: 140(W) x 250(D) x 80(H) mm 1.1kg Probe: 26(W) x 38(D) x 134(H) mm 0.08kg Shipment: 4.0kg
Accessories	Iron substrate (1), infinite adjustment dummy (1), calibration plates (1 set of 6), size "AA" alkaline batteries (10), 2CR 1/3 cylinder battery (1, LZ-200W has two sets worth), button battery holder (1, LZ-200W has two sets worth), User's Manual, Probe Adapter (1), AC adapter (1), printer paper (2)
Options	Probe connection cable, computer connection cable.

Electromagnetic Coating Thickness Tester Model **LE-200J**



The LE-200J is a portable coating thickness tester with a built-in printer. This unit can accurately and quickly measures many items such as magnetic plating (electrolyzed nickel plating not included), coating, painting, and lining without injuring or damaging the item. Furthermore, you can print out the measurement results on-site with the internal printer.

Specifications

Measurement Method	Electromagnetic induction
Applications	Non-magnetic coating on iron and steel (ferrous) substrates
Measurement Range	0-1500 μm or 60.00mils
Measurement Precision	Under 15 μm : $\pm 0.3\mu\text{m}$, 15 μm or greater: $\pm 2\%$
Resolution	0.1 μm (less than 100 μm), 1.0 μm (100 μm or greater)
Statistical Functions	Number of measurements, Average value, Standard deviation, Maximum value, Minimum value, Block numbers
Probe	One-point contact fixed pressure (LEP-J)
Display Format	Digital(LCD, smallest displayed unit 0.1 μm)
Output	RS-232C interface(transmission speed-2400bps)
Power Source	AC100V (50/60Hz) or 1.5 ("AA" size Alkaline batteries) x 6 (main unit), Printer ("AA" size Alkaline batteries) x 4
Dimensions & Weight	120(W)x250(D)x55(H)mm, 1.0kg Shipment 2.5kg
Accessories	Calibration plate, Iron substrate, Batteries (1.5V, "AA" size Alkaline), Probe adapter, AC adapter, Printer paper, Carrying case
Options	L Probe LEP-21L(Probe for use on the inside surface of pipes), Data Management Software "McWave Series" and "MultiProp" (McWave Series and MultiProp are products of CEC Co.)



Coating Thickness Testers

Eddy-current Coating Thickness Tester

Model **LH-200J**



This unit is a compact coating thickness tester complete with a built-in printer. With the LH-200J, you can quickly and accurately measure objects without worrying about damaging the insulating coating on non-ferrous substrates and print-out your results right on the spot. This unit is also equipped with handy features such as statistical calculations, calibration, memory, and limit setup.

Specifications

Measurement Method	Eddy-current
Applications	Insulating coatings on non-ferrous substrates
Measurement Range	0-800 μ m or 32.00mils
Measurement Precision	Under 50 μ m: $\pm 1\mu$ m, 50 μ m or greater: $\pm 3\%$
Resolution	0.1 μ m (less than 100 μ m), 1.0 μ m (100 μ m or greater)
Statistical Functions	Number of measurements, Average value, Standard deviation, Maximum value, Minimum value, Block numbers
Probe	One-point contact fixed pressure (LHP-J)
Display Format	Digital(LCD, smallest displayed unit 0.1E m)
Output	RS-232C interface(transmission speed-2400bps)
Power Source	AC100V (50/60Hz) or 1.5 ("AA" size Alkaline batteries) x 6 (main unit), Printer ("AA" size Alkaline batteries) x 4
Dimensions & Weight	120(W)x250(D)x55(H)mm, 1.0kg Shipment 2.5kg
Accessories	Calibration plate, Batteries (1.5V, "AA" size Alkaline), Probe adapter, AC adapter, Printer paper, Carrying case
Options	Data Management Software "McWave Series" and "MultiProp" (McWave Series and MultiProp are products of CEC Co.)

Dual-Type Coating Thickness Tester

Model **LZ-200J**



The LZ-200J is a portable coating thickness tester equipped with electromagnetic and eddy-current testing methods and an internal printer. This unit can quickly and easily handle coating thickness measurements of various types of coatings on iron and steel of non-ferrous substrates. Plus, this unit is equipped with many valuable functions such as calibration, memory, limit setup, and a statistical calculation function that, at the press of a button, allows you to find the average value, standard deviation, and largest and smallest values measured.

Specifications

Measurement Method	Electromagnetic induction/Eddy-current
Applications	Non-magnetic coating on iron and steel (ferrous) substrates and Insulating coatings on non-ferrous substrates.
Measurement Range	Electromagnetic: 0-1500 μ m or 60.00mils Eddy-current: 0-800 μ m or 32.00mils
Measurement Precision	Electromagnetic: Under 15 μ m ± 0.3 mm, 15 μ m or greater $\pm 2\%$ Eddy-current: Under 50 μ m: $\pm 1\mu$ m, 50 μ m or greater: $\pm 3\%$
Resolution	0.1 μ m (less than 100 μ m), 1.0 μ m (100 μ m or greater)
Statistical Functions	Number of measurements, Average value, Standard deviation, Maximum value, Minimum value, Block numbers.
Probe	One-point contact fixed pressure (LEP-J, LHP-J)
Display Format	Digital (LCD, smallest displayed unit 0.1mm)
Output	RS-232C interface (transmission speed-2400bps)
Power Source	AC100V (50/60Hz) or 1.5 ("AA" size Alkaline batteries) x 6 (main unit), Printer ("AA" size Alkaline batteries) x 4
Dimensions & Weight	120(W)x250(D)x55(H)mm, 1.0kg Shipment 2.5kg
Accessories	Calibration plate, Iron substrate, Batteries (1.5V, "AA" size Alkaline), Probe adapter, AC adapter, Printer paper, Carrying case
Options	Data Management Software "McWave Series" and "MultiProp" (McWave Series and MultiProp are products of CEC Co.)