

statistical processing and data output



minimum values, and standard deviation

The LE-373 is an electromagnetic coating thickness The LH-373 is a coating thickness tester for The LZ-373 is a dual type coating thickness tester tester for measuring the thickness of coatings such measuring the thickness of insulating coatings capable of measuring the thickness of coatings as paint or plating (except electro nickel coating) on on non-magnetic metal substrates. It is capable of on both magnetic substrates and non-magnetic magnetic substrates.It can transmit data to a printer measuring relatively thin coatings such as alumite metal substrates.It is ideal for workplaces handling or computer, and includes 16 different functions with high accuracy. As with the LE-373, there are a variety of materials and coatings. It includes 16 such as application (calibration curve) memory, added functions to output data to a printer or added functions as well as data output to a printer or measurement data memory, upper and lower limit computer, and carry out simple statistical processing computer, and simple statistical processing including setting for coating thickness management, simple including times measured, average, maximum and times measured, average, maximum and minimum values, and standard deviation

statistical processing, a	and data output. minimum values, and standard deviation	on. values, and standard deviation.				
Model	LZ-373 / Electromagnetic and Eddy-current					
/ Measuring Method	LE-373 / Electromagnetic	LH-373 / Eddy-current				
Probe Type	LEP-J (Fe)	LHP-J (NFe)				
Applications	Non-magnetic coatings on magnetic metal (iron, steel)	Insulating coatings on non-magnetic metal (non-iron)				
Measurable Range	0 to 2500µm or 99.0 mils	0 to 1200µm or 47.0 mils				
Measuring Accuracy	Under 50µm: ±1µm, 50µm to under 1000µm: ±2%, 1000µm and over: ±3%					
Resolution	Under 100µm: 0.1µm, 100µm and over: 1µm					
Data Memory	Approx. 39,000 points					
Application Memory	100 (LZ-373:50 types each of electromagnetic and eddy-current)					
Display Method	Digital (LCD with backlight, smallest display unit: 0.1µm)					
External Output	PC (USB or RS-232C), printer (RS-232C)					
Power Supply	1.5 V alkaline batteries (size AA) x 4					
Power Consumption	80 mW (with backlight off)					
Battery Life	100 hours (continuous use with backlight off)					
Operating ambient temp.	0 to 40 ℃					
Functions	16, various settings					
Dimensions & Weight	Main unit: 75 (W) x 145 (D) x 31 (H) mm, 0.34 kg					
Conformity Standard	Electromagnetic induction:JIS K5600-1-7,JIS H8501,JIS H0401 / ISO 2808,ISO 2064,ISO 1460,ISO 2178,ISO 19840 / BS 3900-C5 / ASTM B 499,ASTM D 7091-5,ASTM E 376 Eddy-current:JIS K5600-1-7,JIS H8680-2,JIS H8501 / ISO 2808,ISO 2360,ISO 2064,ISO 19840 / BS 3900-C5 / ASTM D 7091-5,ASTM E 376					
Accessories	Iron substrate (FE-373), aluminum substrate (NFE-373), calibration foil set, probe adapter, carrying case, 1.5 V batteries (size AA alkaline) \times 4, operating manual					
Options	Calibration foils (other than the furnished set), measuring stand LW-990, printer VZ-380 (with printer cable VZC-60), Personal computer cable VZC-53, RS-232C-USB converter, Data logger software "LDL-03", Data management software "McWave Series" and "MultiProp"					

Optional equipment

Printer VZ-380

Measuring stand LW-990

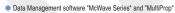


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Data logger software "LDL-03"









Safety precautions

 Please read the "Operating Manual" carefully before using in order to use the device correctly and safely Do not place anywhere there is a great deal of water, humidity, steam, dust, or oily smoke. These can cause malfunction.



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373 Series Coating Thickness Testers

Kett

Electromagnetic Coating Thickness Tester LE-373 Eddy Current Coating Thickness Tester LH-373 Dual-Type Coating Thickness Tester LZ-373



Numerous features condensed into a compact body Kett 373 Series Coating Thickness Testers

20 Seconds



 The 373 series can be expected to be useful in many workplaces where coating thickness management is required.



This product conforms with the JIS 5600 standard.

All Data

The LE-373 is an electromagnetic coating thickness tester for measuring the thickness of non-magnetic coatings such as paint or plating (except electro nickel coating) on magnetic metal substrates. The LH-373 is a coating thickness tester for measuring the thickness of insulating coatings on non-magnetic metal substrates. It is capable of measuring relatively thin coatings such as alumite. The LZ-373 is a dual type coating thickness tester capable of measuring the thickness of coatings on both magnetic metal substrates and non-magnetic metal substrates. The 373 series of coating thickness testers is ideal for workplaces handling a variety of materials and coatings. Each model can transmit data to a printer or computer, and includes 16 different functions such as application (calibration curve) memory, measurement data memory, upper and lower limit setting for coating thickness management, simple statistical processing, and data output. We also provide options such as a printer, measurement stand, external output cable, and data management software.

A small sized, lightweight compact body.

The size is 75 mm in width, 145 mm in length, and 31 mm in thickness, with a weight of 340 g. The size fits in one hand for easy use in the measurement workplace.

Multiple functionality built in.

We include all of the functions normally required for coating thickness management. It is possible to set 16 functions as required, such as Application, Substrate Calibration, Delete Data, Data Memory, Limits, Statistics (times measured, average, standard deviation, max value, min value), Display Property, Date/ Time, Auto Off Time, Brightness, Lighting Time, Unit, Data Output, Lot Splitting, Measurement Modes, and Maintenance.

Plenty of options.

If the optional measurement stand LW-990 is used, it is easy to measure curved surfaces such as pipes that are normally hard to measure. Further, repeatability error and personal error can be kept at a minimum for normal flat surface measurement. By connecting the optional printer VZ-380, it is possible to print out the measured value, statistical

Optional measurement stand LW-990

results, the lot number, and the date. By using in combination with the data management software "Data Logger LDL-03" or the "McWAVE Series", data can be saved in MS Excel format, measurement data can be edited, and various management diagrams can be created.

[McWAVE is the registered trademark of CEC Co.Excel is a trademark and registered trademark of the Microsoft Corporation in the USA and other countries.]

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• Measurement screen for the 373 series and the configuration screen for the 16 functions. [The display portion is an image of the screen and not the actual dev						
Measurement screen for the LE-373/LZ-373 Example of the lot data number being displayed. The LOT-5 N=0005 Fe $373~\mu\text{m}$ \Rightarrow CAL SET	•Measurement screen for the LH-3731Z-373 Example display of tide and time. III 2012/08/01 12:34 NFe $37.3~\mu$ m CAL SET	• Application Selection Recal d application (calibration curve) memory. • Application Fe 25 Esc	Substrate Cal. (substrate calculation) Catan dragatific text on substrate calculation Air N=7 Mea 27513 AV. 27512 ESC ENT Fe00	o Delete Data Delete Data Delete Data N=0258 45.8 μm Esc All	Data Memory Saving or non saving of measurement of Data Memory Store Null Esc	
eLimits (setting upper and lower limit) Sit upper and lower limit) Sit upper and lower limits by measurement management. Limits Fe U.L. 0255 on L.L. 0050.3 off Esc	Statistics (calculation) Max value, min value, standard deviation, average. Max 269 Min 247 S.D 4.8 AV. 258	Disp. Property (selection) Selecting date and time or led tale number. Disp. Property Date/Time Lot/Data No. Esc	●Date/Time Sating dide and line. ■ Date2012/ 06/01 Time 12:33 Esc	Auto Off Time Auto Off Time Auto Off Time 10 Minutes 20 Minutes Continuous	●Brightness (backlight) Setting backlight brightness. ■ Brightness Dark Medium Lightish	
Setting backlight lighting time. Lighting Time Seconds 10 Seconds	• Unit Switching display units. • Unit	Data Output Set data output Data Output Real-time	Set to split lots when calculating statistics. Lot Splitting Auto Partition	Measurement Modes Set for freed or continuous deplay of the measured value. Hold/Continues Hold Continues	Maintenance Used for maker maintenance. Maintenance Password **	

