

LE-373





ignetic substrates and non-magnetic ates.It is ideal for workplaces handling materials and coatings. It includes 16 ons as well as data output to a printer or nd simple statistical processing including ired, average, maximum and minimum

The LE-373 is an electromagnetic coating thickness
tester for measuring the thickness of coatings such
as paint or plating (except electro nickel coating) on
magnetic substrates.It 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.

	The LE-373 is an elect	tromagnetic coating thickness	The LH-373 is a coating thickne	ss tester for	The LZ-373 is
	tester for measuring t	he thickness of coatings such	measuring the thickness of insula	ting coatings	capable of m
	as paint or plating (ex	cept electro nickel coating) on	on non-magnetic metal substrates.lt	on both magi	
as paint or plating (except electro nickel coating) on magnetic substrates. It can transmit data to a printer or computer, and includes 16 different functions such as application (calibration curve) memory,			measuring relatively thin coatings such as alumite		metal substrat
1	or computer, and inc	ludes 16 different functions	with high accuracy. As with the LE-373, there are added functions to output data to a printer or computer, and carry out simple statistical processing		
	such as application	(calibration curve) memory,			
	measurement data me	emory, upper and lower limit			computer, and
	setting for coating thickness management, simple		including times measured, average, maximum and		times measure
	statistical processing, and data output.		minimum values, and standard deviation.		values, and sta
	Model		LZ-373 / Electromagn	etic and Ed	dy-current
	/ Measuring Method	LE-373 / Electromagnetic		LH-373 / Eddy-curren	
	Probe Type	LEP-J (Fe)		LHP-J (NFe)	
	Applications	Non magnetic contings on magnetic metal (iron steel)		Inculating coatings on per	

The LH-373 is a coating thickness tester for The LZ-373 is a dual type coating thickness tester measuring the thickness of insulating coatings capable of measuring the thickness of coatings tandard deviation.

Model	etic 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) x 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



Data logger software "LDL-03"











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 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.



• For enquiries regarding this product, please contact us at the address above, or by e-mail.

To improve the product, specifications and the external appearance may be changed without notice. In addition, please note that due to printing, the product's color may appear different from the actual article.

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) Catava variation and a substrate calculation of the catavariation and a substrate manual stage at hideen Air N=7 Mea 27513 AV. 27512 ESC ENT Fe00	● Delete Data Deletion of Individual or all deb. Delete Data N=025 <u>8</u> 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		Auto Off Time Seting time util ado oil. 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 display of the measured value. Hold/Continues Hold Continues	Maintenance Used for maker maintenance. Maintenance Password **				

