

Dual-Type Coating Thickness Tester  
Model LZ-990 "ESCAL"

*Multi function and high accuracy  
in compact body!*



# Dual-Type Coating Thickness Tester Model LZ-990 "ESCAL"

This dual-type coating thickness tester LZ-990 "ESCAL" has been achieved multifunction and high accuracy despite simple operation and compact body. Various functions LZ-990 has are useful for obtaining reliable measurement results and optimize your tasks.

- **Dual type Tester with automatically**

LZ-990 integrates both electromagnetic and eddy current method in one instrument, and automatically recognizes the substrate materials (Ferrous or Non-ferrous) and appropriate measurement mode.

- **Application Memory Function (Calibration Curve Memory)**

8 electromagnetic and 8 eddy-current type – up to 16 pre-calibrated applications (calibration curves) can be stored in memory so no calibration is required for using the same type of item from the second use. This memory will not be erased even if the power is switched off. It reduces the time and effort to create each time a calibration curve.

- **Data output**

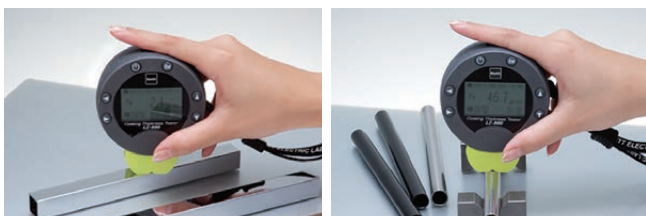
Measured or measuring data can be output to optional printer or personal computer via an optional communication cable. The data memory function eliminate transcription errors.

- **Large backlit LCD**

The measured value is easy to read even in the dark by the large display and the backlight. It is useful to reduce the reading errors.

- **Other Functions**

Automatic ON/OFF switch function. 15 different adjustable settings including upper and lower limits and statistic calculations.



Measurement example of the square pipe and the pipe



Accessories

Measuring stand LW-990 and Printer VZ-330

## Applications

Substrate	Iron / Steel		Aluminum, Copper, Brass, etc.	
	Paint	Plastic	Paint	Plastic
Applications	Lacquer	Resin	Rubber	Lacquer
	Rubber	Enamel	Enamel	Resin
	Lining	Zinc	Alumite (Anodic oxide coating)	
	Chrome	Tin	Other	
	Copper	Aluminum		
	Other			

## Specifications

Measuring Method	Electromagnetic and Eddy Current (automatic substrate recognize function)
Applications	Non-magnetic coatings on magnetic metal or insulating coatings on non-magnetic metal
Measurable Range	0~2000 μm or 0~80.0 mils
Measuring Accuracy	±1μm under 50 μm ±2% at 50 μm – under 1000 μm ±3% at 1000 μm – under 2000 μm
Resolution	±0.1 μm under 100 μm, 1 μm at 100 μm or greater
Display	Digital (backlit LCD, minimum displayed digit is 0.1 μm )
Data Memory	Approximately 1000 points
Application Memory	8 types each of electromagnetic and eddy-current ; 16 total calibration curves can be memorized
Power Supply	1.5 V alkaline batteries (size AAA) x 2
Power Consumption	40 mW (with backlight off)
Temperature	0 to 40 °C
Output	PC (USB), Printer (RS-232C)
Dimensions & Weight	82 (W) x 99.5 (D) x 32 (H)mm, Approx. 160 g
Accessories	Zero Calibration holder (Iron substrate, aluminum substrate), Calibration foils (50, 100, 1000 μm), Batteries (size AAA) x 2, Carrying pouch, Wrist strap, Operating manual
Optional Accessories	Calibration foils (other than the one furnished), Measuring stand LW-990, Printer VZ-330, Printer cable, Data Logger software (LDL-01), USB computer cable



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Management system enhancement department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, with conform to JIS Q 9001, ISO 9001.

The scope of the registration.

Design, development and production management, calibration and repair of Moisture testers, NIR composition analyzers, Grain inspectors and Coating thickness testers.

Contact