

ULTIMATE SERIES TG-01U/TG-02U Thickness Coating Gauge

CUSTOM TOKYO JAPAN



Safe Usage

Remove used batteries from the instrument.
If used batteries are left in the instrument for an extended period, the battery fluid may leak, generate heat, or rupture, which may damage the instrument.

Always turn off the power before replacing the battery.

Caution

This instrument contains precision electronic components.

Do not use or move the instrument in a place with large temperature differences.

This may cause unstable operation or display, or errors.

If the instrument has been moved, allow it to acclimate to the ambient temperature for about an hour before use.

1. Product Overview

- Measures coatings on ferrous(TG-02U) and non-ferrous metal substrates (TG-01U)
- Two types of measurement: calibration and standard calibration
- AVG function: Calculates the average of multiple measurements
- Can save and recall up to 255 measurement results
- Equipped with backlight for measurement in dark places

Item	TG-01U	TG-02U
Measurement Method	Electromagnetic	Electromagnetic and Eddy Current
Measurement Range: Ferrous (Iron, Steel)	0~2,000um	
Accuracy	0~199um: ±10dgt 200~1,000um: ±(3%rdg+10dgt) 1,001~2,000um: ±(5%rdg+10dgt)	
Measurement Range: Non-Ferrous (Aluminum, Copper, Brass, Zinc)		0~1,000um
Accuracy		0~199um: ±10dgt 200~1,000um: ±(3%rdg+10dgt)
Resolution	1μm	
Measurement Speed	1 time/second	
Auto Power Off	Approx. 30 seconds	
Memory Function	255 measurements	
Operating Temperature/Humidity	0°C~+50°C, 75%RH or less (no condensation)	
Storage Temperature/Humidity	-20°C~+60°C, 80%RH or less (no condensation, including batteries)	
Power Source	2 x AAA batteries (1.5V)	
Battery Life	Approx. 25 hours *1	Approx. 15 hours *1

Item	TG-01U	TG-02U
Dimensions/Weight	(W)55 x (H)105 x (D)27mm Approx. 85g (including batteries)	
Accessories	Instruction manuals, 2 x AAA batteries (may not included)(1.5V), 1*Zero adjustment plate (iron) and 1* standard coating plate	
	,	1 *Zero adjustment plates (aluminum)

Warranty Regulations:

Our company warrants this product based on the following warranty regulations.

1. In the event of a malfunction during normal use within the warranty period, it will be repaired free of charge.
2. This warranty is valid only in/for Japan, not if sold outside Japan.
3. The following cases are excluded from the free repair:
 - a. Failure due to improper handling or use.
 - b. Failure due to handling or storage that exceeds the design specifications or conditions.
 - c. Failure due to modification or repair by someone other than our company or our authorized representatives.
 - d. Any other failure for which our company is not responsible.

Model Nos (Variations): TG-01U, TG-02U

Warranty Period: 1 year from date of purchase

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