

GENERAL INFORMATION

The CTG-01 coating thickness gauges work either on the magnetic induction principle or on the eddy current principle, depending on the type of probe used.

You can select the type of probe via MENU system, or it will work automatically.

The gauges conform to the following industrial standards:

GB/T 4956-1985

GB/T 4957-1985

JB/T 8393-1996

JJG 889-95

JJG 818-93

FEATURES

- Measured Coatings: Non-magnetic coatings(e.g. paint, zinc)on steel; Insulating Coatings (e.g. paint, anodizing coatings)on non-ferrous metals
- Operating with MENU easily
- Two measuring mode: CONTINUE and SINGLE mode
- Two working mode: DIRECT and GROUP mode(4 groups)
- Statistic Display: AVG, MAX, MIN, NO., S.DEV
- One point calibrating and two points calibrating independently for each working mode
- Zero calibrating easily
- Memory for 320 readings(80 for each group)
- Delete single readings and all group readings easily
- High alarm and Low alarm for all working mode
- Low battery, error indication
- USB interface for PC analysis software
- Disable Auto-Power-off function via MENU setting.

Application

This compact and handy gauge is designed for non-destructive, fast and precise coating thickness measurement. The principal applications lie in the field of corrosion protection. It is ideal for manufacturers and their customers, for offices and specialist advisers, for paint shops and electroplaters, for the chemical, automobile, shipbuilding and aircraft industries and for light and heavy engineering.

CTG-01 gauges are suitable for laboratory, workshop and outdoor use.

The probe can work on both principles, magnetic induction and on the eddy current principle. One probe only is required for coating measurement both on ferrous and non-ferrous metal substrates. It is adaptable to specific tasks: i.e. they can be used on special geometries or on materials with special properties.



*Technical Specifications & Appearance are subject to change without prior notice

Description of the gauge

For measurement on steel substrates, the gauge works on the magnetic induction principle, for measurement on non-ferrous metal substrates, it works on the eddy current principle.

Measurement values and user information are shown on LCD, A display back light ensures easy reading of screen data in dark conditions.

Two different operating modes are available: DIRECT mode and GROUP mode.

DIRECT mode is recommended for simple, quick, occasional measurements. It provides statistical analysis. Single values are not saved. The statistical analysis program can evaluate 80 readings.

GROUP mode permits measurement and storage of readings in a free programmable memory. A maximum of 400 readings and 4 series of measurements can be analyzed according to various statistical criteria.

Standard Accessories

Gauge with two 1.5V battery, plastics carrying case, operating instructions (English), steel and aluminum substrate.

USB connecting cable

Program disc for Windows 98/2000/xp/Vista/7

Probe

The Probe systems are spring-mounted in the probe sleeve. This ensures safe and stable positioning of the probe and constant contact pressure. A V-groove in the sleeve of the probes facilitates reliable readings on small cylindrical parts. The hemispherical tip of the probe is made of hard and durable material.

FEATURES

Sensor probe	FERROUS	NON-FERROUS
Working principle	magnetic induction	Eddy current principle
Measuring range	0~1250um 0~49.21mils	0~1250u 0~49.21mils
Guaranteed tolerance(of reading)	0~850 um (+/- 3%+1um) 850um~1250 um (+/- 5%) 0~33.46 mils (+/- 3%+0.039mils) 33.46um~49.21mils (+/- 5%)	0~850 um(+/- 3%+1.5um) 850um~1250um (+/- 5%) 0~33.46mils (+/- 3%+0.059mils) 33.46um~49.21mils (+/- 5%)
Precision	0~50um (0.1um) 50um~850um (1um) 850um~1250um(0.01mm) 0~1.968mils (0.001mils) 1.968mils~33.46mils(0.01mils) 33.46mils~49.21mils(0.1mils)	0um~50um(0.1um) 50um~850um(1um) 850um~1250um(0.01mm) 0~1.968mils (0.001mils) 1.968mils~33.46mils(0.01mils) 33.46mils~49.21mils(0.1mils)
Minimum curvature radius	1.5mm	3mm
Diameter of Minimum area	7mm	5mm
Basic critical thickness	0.5mm	0.3mm
Working temperature	0°C~40°C(32°F~104°F)	
Working relative humidity	20%~90%	
Size(H X D X W)	110 X 50 X 23	
Weight	100g	

*Technical Specifications & Appearance are subject to change without prior notice