

Coating Thickness Gauge

PTG-5500

The PHASE II **PTG-5500** coating thickness gauge can perform two different methods of calculating coating thickness measurement by utilizing the characteristics of both eddy current and magnetic induction. Coating thickness testing performance is both non-destructive and extremely accurate.

With this state of the art coating thickness gauge, you can easily detect the thickness of nonmagnetic coating on a magnetic substrate (ferrous) or an insulating coating on a non-magnetic conductive substrate (non-ferrous) utilizing our auto-detect probe. The PTG-5500 coating thickness gauge can be used in many areas of industry including automotive auctions, manufacturing, general engineering, commercial inspection, etc.



Probe Type		Ferrous/Non-Ferrous
Measuring Principle		Magnetic Induction & Eddy Current
Measuring Range		0 ~ 1500 μm (0-59 mil)
Resolution (Selectable)		1 μm , 0.1 μm , .01 μm
Accuracy	Zero Calibration	$\pm (2\%H+1) \mu\text{m}$
Measuring Condition	Min. Radius of Curvature	Cx. 1.5 mm
	Min. Radius of Area	$\Phi 7 \text{ mm}$
	Min. Thickness of Substrate	0.5 mm

FEATURES

- Two measuring modes: single or continuous (Scan mode) (selectable).
- Automatic Temperature compensation: compensates for the measurement distortion caused by the change of temperature.
- Displays five statistical values: average MEAN, maximum (MAX), minimum(MIN), measure number(No.), and standard deviation (S.DEV).
- Calibration: Simple 1-step calibration using supplied metal plate and reference shims
- Data storage: close to 500 measurements in memory. (99 measurements/group x 5 groups) Includes data output software and cable
- Tolerance Setting: alarm when measurements out of tolerance.
- Battery symbol: Displays remaining power in battery.