

METRAVI PRO[®]

CTG-03 COATING THICKNESS GAUGE

GENERAL INFORMATION

The Metravi Pro CTG-03 Coating Thickness Gauge works both on magnetic as well as non-magnetic surfaces.

Works on both principles, magnetic induction and eddy current. Single probe is required for coating measurements, for both ferrous and non-ferrous metal substrates.

Adaptable to specific tasks: i.e. can be used on special geometries or on materials with special properties.

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

Three different operating modes are available: DIRECT mode, GROUP mode and SSPC mode.

Designed for non-destructive, fast and precise coating thickness measurement, the principal applications lie in the field of corrosion protection and prevention.

FEATURES

- 2.4" TFT colour LCD display
- Temperature, Humidity and Dew Point temperature measurements
- 4-way auto-rotation display: 0°, 90°, 180°, 270°
- Stability test
- Continuous test
- Set auto power-off time
- SSPC mode
- Warning with beeper and back-light flash, 3-Colour LED indication
- Menu operation system
- Working modes: DIRECT, GROUP and SSPC
- AVG, MAX, MIN, Stand and Deviation (S.DEV) display
- Basic, one-point and SSPC mode calibration
- Low battery, error indications
- USB interface for PC analysis software
- 10 levels of adjustable LCD backlight brightness



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APPLICATION

Ideal for:

- Offices
- Specialist advisers and Corrosion Consultants
- Paint Shops and Electroplaters
- Chemical Industry
- Automobile Industry
- Shipbuilding Industry
- Aircraft Industry
- Light and Heavy Engineering
- Laboratories
- Workshops
- Outdoor use

ACCESSORIES

- Gauge/Meter
- 2 x AA 1.5V batteries
- Carrying Case
- User Manual
- Steel and Aluminium substrates
- USB Cable
- Software CD

PROBE

- The probe system is spring-mounted in the probe sleeve, ensuring safe and stable positioning of the probe and constant contact pressure.
- A v-groove in the sleeve of the probe facilitates reliable readings on small cylindrical parts too.
- The hemispherical tip of the probe is made of hard and durable material. Hold the probe by the spring-mounted sleeve and press on object to be measured.



4-way Auto-rotating
TFT display

USB INTERFACE
for PC Analysis Software



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SPECIFICATIONS

| Sensor Probe | F | N |
|------------------------------------|---------------------------------|------------------------|
| Working Principle | Magnetic Induction | Eddy Current Principle |
| Measuring Range | 0 ~ 2000µm | 0 ~ 2000µm |
| Guaranteed to Larence (of reading) | (±2%±2)µm | (±2%±2)µm |
| Repeatability | (±1%±1)µm | (±1%±1)µm |
| Low Range Precision | 0.1µm | 0.1µm |
| Minimum Curvature Radius | 1.5mm | 3mm |
| Diameter of Minimum Area | 7mm | 5mm |
| Basic Critical Thickness | 0.5mm | 0.3mm |
| Temperature Range | 0 to 50°C / 32 to 122°F | |
| Temperature Accuracy | ±1.2°C | |
| Humidity Range | 0 to 100%RH | |
| Humidity Accuracy | +3.2%RH at 20%-70%; +4%RH other | |
| Size (HxWxD) | 35 x 64 x 137mm | |
| Weight | 175g | |

