

CTG-200N

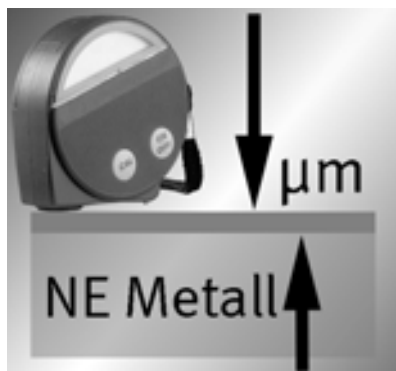
Coating Thickness Gauge for non-ferromagnetic substrates

Features

- For simple, quick and non-destructive thickness measuring of non-conductive coating materials (e.g. anodised coating, painting or surface protection materials) on a non-ferromagnetic substrate
- High accuracy of 2%, in combination with a wide measuring range of 0...1500µm
- Ergonomic housing with hand strap
- Excellent price-performance ratio



Details



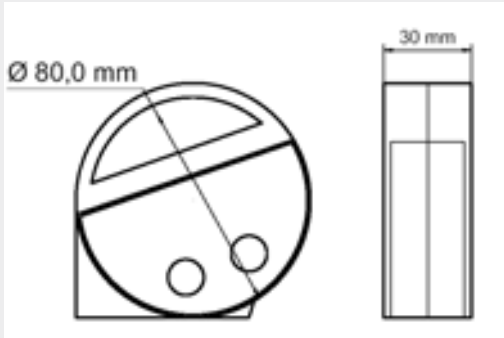
CTG-200 series are designed for quality control applications for industrial painting or coating, as well as surface finishing and in the automotive industry.

The spring loaded, magnetic field sensitive sensor adjusts itself flexibly to the surface, to achieve constant contact pressure and allows non-destructive measuring of the coating thickness.

CTG-200N instruments are suitable for measuring thickness of non-electroconductive coating materials on non-ferromagnetic metals (aluminium, copper, titanium, etc.).

CTG-200 models are characterised by simple and thus safe operation, for which no specific skills are necessary. With high accuracy of +/-2% (within the measuring range of up to 50µm +/-1µm), these gauges belong to the best handheld-measuring instruments for coating thickness.

Order Info



CTG-200F

CTG-200N

CTG-200C

Standard

Instrument with integrated sensor for ferromagn. substrates, with 3 ref. standards, batteries and protection case.

Instrument with integrated sensor for non-ferromagn. substrates, with 3 ref. standards, batteries and protection case.

Instrument with integrated sensor for ferromagn. and non-ferromagn. substrates, with 3 ref. standards, batteries and protection case.

Option

CTG-800
CTG-820C

Calibration certificate (with new instrument)
 Calibration reference standard (set with 5 foils)

Spec

CTG-200F

CTG-200N

CTG-200C

| | | CTG-200F | CTG-200N | CTG-200C |
|------------------------|------------------------|--|--------------|--------------------------|
| Measuring Range | | | 0...1500µm | |
| Measuring Principle | | electromagn. induction | eddy current | induction / eddy current |
| Substrate Material | ferromagnetic | ✓ | | ✓ |
| | non-ferromagnetic | | ✓ | ✓ |
| Coating Material | Minimum strength | 2,5-fold coating thickness + 1,0 mm surface 10mm x 10mm) | | |
| Coating Material | non-magnetic | ✓ | | ✓ |
| | non-electro conductive | | ✓ | ✓ |
| Accuracy | Range 0,0...50,0 µm | | +/- 1 µm | |
| | Range 50,0...1500 µm | | +/- 2 % | |
| Resolution | 0...99,9 µm | | 0,1 µm | |
| | 100...1500 µm | | 1,0 µm | |
| Display | Measuring unit | Micrometer/Micron [µm] mil (selectable) | | |
| | Display type | LCD, 5-digit, 12mm high | | |
| | Update Time | 500 msec | | |
| Memory | Calibration value | ✓ | | |
| | Last measuring value | ✓ | | |
| Power supply / Battery | Quantity / type | 2 x 1,5V AAA-type | | |
| | Life | approx. 40 h | approx. 35 h | |
| | Low battery indication | ✓ | | |
| Temperature Range | Operation | 0°...40° C | | |
| | Storage | -20°...70° C | | |
| Weight | Instrument with Batt. | approx. 100 g | | |
| Dimensions | LxWxH | 80 x 80 x 30 mm | | |
| Housing material | | polyamide, glass fibre reinforced | | |