ALLURIS
innovative Messinstrumente
für physikalische Größen

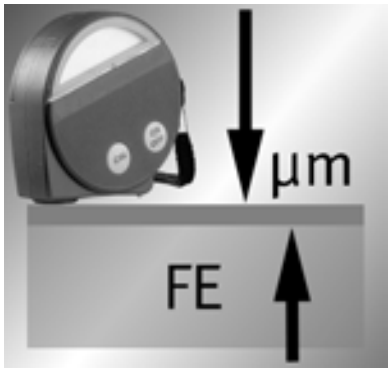
CTG-200F

Coating Thickness Gauge for ferromagnetic substrates

Features

- For simple, quick and non-destructive thickness measuring of non-magnetic coating materials (e.g. painting, surface protection materials) on a 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-200F series are suitable for measuring thickness of non-magnetic coating materials on ferromagnetic metals (iron or steel).

All 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.

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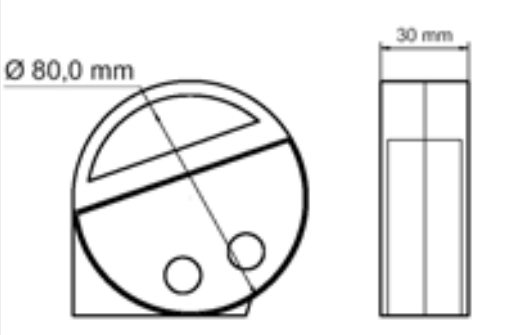
Order Info



	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	Calibration certificate (with new instrument)
	CTG-820C	Calibration reference standard (set with 5 foils)

Spec

		CTG-200F	CTG-200N	CTG-200C
Measuring Range		0...1500µm		
Measuring Principle		electromagn. induction	eddy current	induction / eddy current
Substrate Material	ferromagnetic	✓		✓
	non-ferromagnetic		✓	✓
	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		