CMI200 Series

Hand held coating thickness gauge with the diversity of bench top instruments

CMI200 Series gauges combine state of the art electronics and software with a compact, rugged design, suited for some of the most hostile work environments.
These gauges provide a reliable means for performing accurate, efficient inspection of coating/plating thickness at the lowest cost.

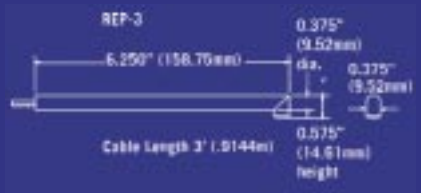
Measurements can be taken in automatic or continuous modes.

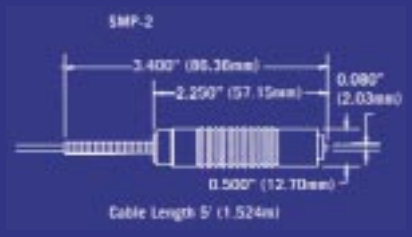
A scanning option compensates for uneven or textured substrate materials, enhancing performance of gauge repeatability and reproducibility. A large memory capacity for over 12,000 readings can accommodate even high usage applications.

Like all of our instruments, the 200 Series is backed by the Oxford Instruments Group. We guarantee superior service before and after your order.

OXFORD INSTRUMENTS

CMI200 **Series hand held thickness gauge**





Probe Selector Chart

Probe Type	Probe Shape	Probe Mode	Min. Radius Convex Cylinder	Min. Radius Concave Cylinder	Working Height	Min. Measurement Area	Min. ID Rt. Angle	Min. base Thickness(mils)
Eddy Current	Straight	ECP	.500"(11.2mm)	.440"(11.2mm)	4.0"(102mm)	.360" (9.2mm)	N/A	12 (0.3mm)
Eddy Current	Right Angle	REP-3	N/A	N/A	N/A	.360" (9.2mm)	.575"(14.6mm)	12 (0.3mm)
Magnetic	Straight	SMP-2	.060"(1.6mm)	.250"(6.4mm)	4.25"(108mm)	.375" (9.6mm)	N/A	12 (0.3mm)
Magnetic	Right Angle	RSMP-2	N/A	N/A	N/A	.375" (9.6mm)	.800"(20.4mm)	12 (0.3mm)

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OIA/49/A/0202

CMI200 **Series Specifications**

Measurement methods: Magnetic Induction: Conforms to method ASTM B499 & B530, DIN 50981, ISO 2178 and BS 5411 Parts 9 & 11

Eddy Current: Conforms to methods ASTM B244 & B259, DIN 50984, ISO 2360 and BS 5411 Part 3

Accuracy: + 1% + 0.1 µm referred to reference standards

Measurement Ranges: Magnetic: 0 - 120 mils (0 - 3.01 mm), Eddy Current: 0 - 60 mils (0 - 1.52 mm)

Resolution: 0.01 mils (0.25 µm)

Memory Capacity: 12,400 stored readings

Min. ferrous and non-ferrous substrate thickness: 12 mils (305 µm)

Dimensions: 5 7/8" (L) x 3 1/8" (W) x 1 3/16" (D) (14.9 x 7.94 x 3.02 cm)

Weight: 9 oz (0.26 kg) including battery

Units: Automatic conversion between English and metric with a keystroke

Battery: 9V dry or rechargeable

Battery Life: Continuous Hours - 9V Dry: 50 Ferrous, 45 Non-Ferrous, Rechargeable: 11 Ferrous, 10 Non-Ferrous

Statistical Display: Number of readings, mean, standard deviation, high and low reading, Histogram and Cpk available with printer or serial output

Statistical Package: Optional CMI SmartStats provides a full statistical program and a report writer (SmartDocs)

Interface: RS-232 Serial port output with adjustable baud rate, for a printer or PC download

Printer: Optional 40 column thermal printer

Display: Three digit LCD display, 1/2" (1.27cm) character height

Keypad: Sealed membrane. Basic units -9 keys. Enhanced units - 16 keys

Scanning feature: Automatically average readings over a designated scan time(or can supply actual date hi-lo values)

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