

CMI511®

The first temperature compensating gauges for measuring plated thru hole copper thickness

The **CMI511** is a rugged, handheld, battery operated instrument capable of instantly measuring plated thru hole Copper thickness prior to and after etching



They work equally well on double-sided and multilayer boards, even through Tin and Tin/Lead resist. The **CMI511** Series has an exclusive **CMI** temperature compensation feature for in-process thickness measurement. That means no more scrap or costly rework. Oxford Instruments offers a worldwide network of support and service. Like all our instruments, the **CMI511** is backed by our guarantee of superior service before and after you order.

- Simple to use
- Complete Oxford Instruments service and support
- Accurate, right out of the bath

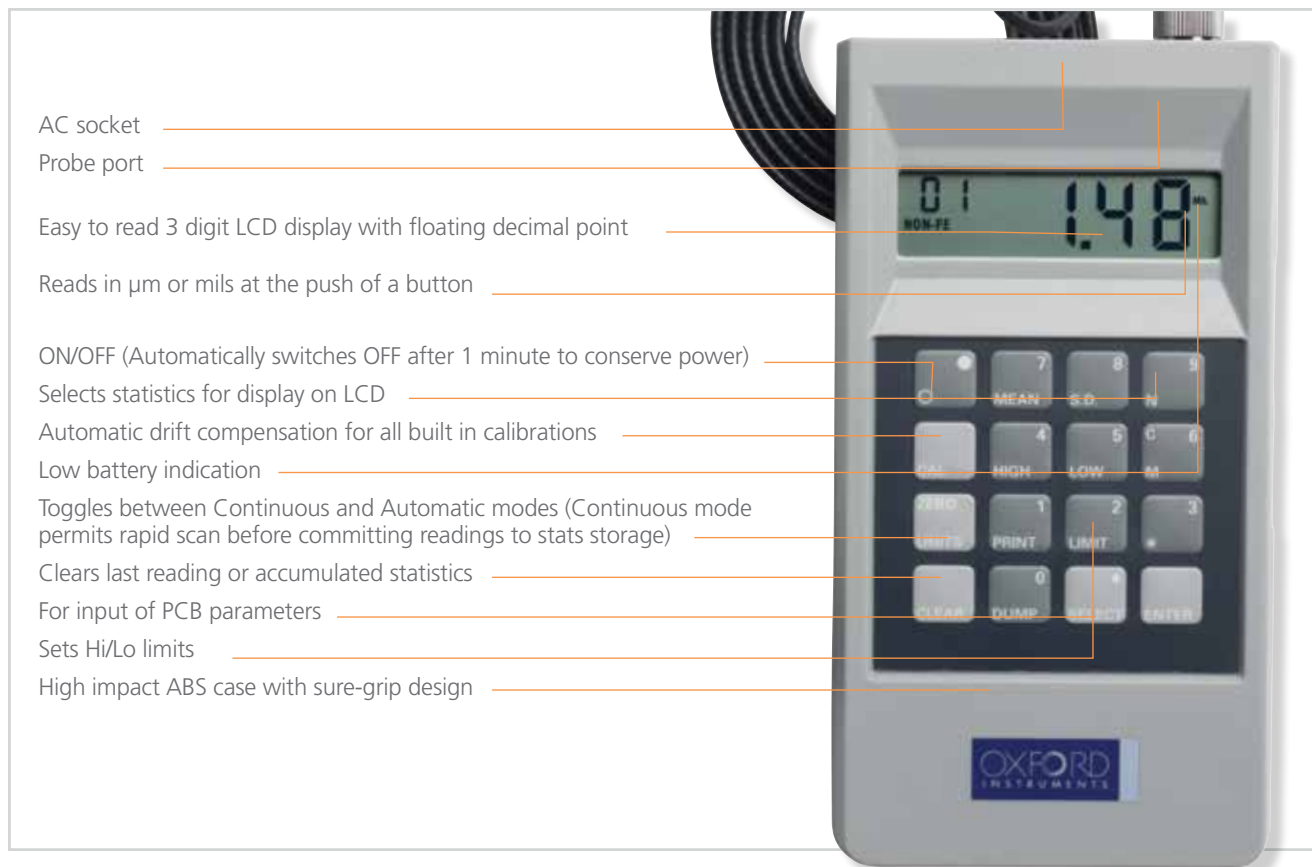
Automatically corrects measurements for temperature even when a board has just been lifted from the plating tank. Factory calibrated... requires no standards. Instantaneous measurements...no operator training necessary. Carrying case features a plastic window to permit gauge use without removal from case.

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CMI511 Series hand held thickness gauge



Specifications:

Measurement technique: Eddy Current

Minimum hole size: 35 mils (899 μm)

Thickness range: 0.08 - 4.0 mils (2-102 μm)

Keypad: 10 numeric and 16 function keys

Display: 1/2" (12.7 mm) high LCD display

Readouts: Direct readings in mils (imperial) or μm (metric)

Units conversion: Automatic at the press of a button

Resolution: 0.01 mils (.25 μm)

Accuracy: $\pm .01$ mil (.25 μm) < 1 mil

(25 μm) $\pm 5\%$ > 1 mil (25 μm)

Memory capacity: 2000 stored readings

Calibration: Continuous self-calibration

Statistical display: Number of readings, Standard Deviation, Average, Cpk, High/Low.

Battery: 9V dry cell or optional rechargeable battery (Charger included)
9V dry cell - 50 hrs. 9V rechargeable - 10 hrs

Weight: 9 ozs. (255 g) with battery

Dimensions: (W) 3 1/8" (79 mm) x
(D) 1 3/16" (30 mm) x (H) 5 7/8" (149 mm)

visit www.oxford-instruments.com for more information or email Industrial@oxinst.com

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