

3000EZ SERIES

Hand-held coating thickness gauge

Measuring Range, Fe : 0–140.0 mils (0–3500 μm)
Measuring Range, NFe: 0–120.0 mils (0–3000 μm)

Probe: Integrated, with hard metal pole tip

Units: Keypad selectable, mils or microns

Live Statistics Display: Number of readings, mean value, standard deviation, maximum and minimum reading of max. 99 readings

Free NIST Calibration Certificate

3000EZ Series Coating Thickness Gauges provide fast, non-destructive, accurate coating measurements on steel and non-ferrous metals.

Designed to accommodate a wide range of laboratory and field applications and manufactured to international quality standards, 3000EZ Series Gauges will provide years of trouble-free use.

They are available in 2 configurations:

DCF-3000EZ: For testing coatings on iron and steel.

DCFN-3000EZ: For testing non-magnetic coatings such as varnish, paint, enamel, chrome, copper, zinc, etc. on steel and iron (magnetic induction method) and all electrically insulating coatings, such as varnish, paint, anodizing coatings on non-ferrous metals, also on stainless steel (eddy-current method).

The ultimate in portable precision and simplicity



Specifications





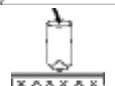
Range	Fe: 0 – 140.00 mils (0 – 3500 μ m) NFe: 0 – 120.00 mils (0 – 3000 μ m)
Accuracy	± 0.1 mils / 3μ m + 3% of reading
Resolution	Refer to table below
Display	Back-lit, 4-digit alphanumeric, digit height 10mm
Minimum Measuring Area	0.5" x 0.5" (12mm x 12mm)
Minimum Curvature Radius	concave: 0.2" (5mm)
Minimum Substrate Thickness	Fe: 20 mils (0.5mm) NFe: 2 mils (50 μ m)
Calibration	Factory calibration, zero calibration
Statistics Program	Number of readings, mean value, standard deviation, maximum and minimum reading of max. 99 readings
Operating Temp.	32 °F to 122 °F (0 °C to 50 °C)
Surface Temp.	5 °F to 140 °F (-15 °C to 60 °C)
Storage Temp.	-4 °F to 140 °F (-20 °C to +60 °C)
Power	2 AAA 1.5V
Dimensions	4" x 2" x 1" (107 x 50 x 25mm)
Weight	3.2 oz (90 g)
Protection Class	IP 52 (proof against dust and dripping water)
Standards	DIN, ISO, ASTM, BS



3000EZ Series gauges are supplied as a complete kit, with gauge, plastic calibration shim, 2x AAA batteries, soft carrying pouch, manual and manufacturer's calibration certificate.

DCF models include a steel zero plate. DCFN models include steel and aluminum zero plates

MEASURING LIMITS

	Minimum Radius for Convex Surfaces	0.2" (5mm)
	Minimum Radius for Concave Surfaces	NA
	Minimum Headroom	4" (100mm)
	Minimum Sample Diameter	0.5" (13mm)
	Minimum Substrate Thickness – Fe Minimum Substrate Thickness – NFe	20 mils (0.5mm) 2 mils (50 μ m)

RESOLUTION TABLE

Mils		
0 – 99.9 mils		0.1 mils
100.0 – 140.0 mils		0.2 mils
Microns (μm)		
0 – 999 μ m		1 μ m
1.000 – 2.498 mm		0.002mm
2.500 – 3.500 mm		0.005mm