

3000EZ-E 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: External, with hard metal pole tip.

Automatic Selection of Fe or NFe Mode: DCFN models will automatically sense the type of substrate under the coating and enable the correct measurement mode without any operator action

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

The gauges are designed to accommodate a wide range of production line, laboratory and field applications. Manufactured to international quality standards, 3000EZ-E Series Gauges will provide years of trouble-free use.

They are available in 2 configurations:

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

DCFN-3000EZ-E: 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).



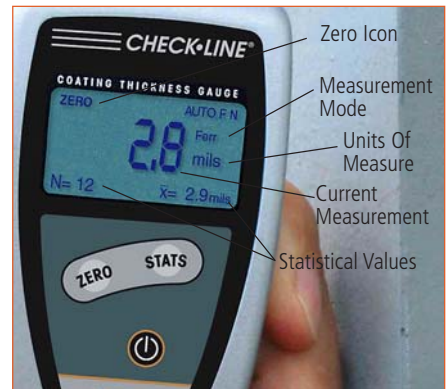
The ultimate in portable precision and simplicity

Specifications






Range	Fe: 0 – 140.00 mils (0 – 3500 μ m) NFe: 0 – 120.00 mils (0 – 3000 μ m)
Accuracy greater	\pm 0.1 mils (\pm 3 μ m) or 3% of reading, whichever is
Resolution	Refer to table below
Display	Back-lit, 4-digit alphanumeric, 0.4" (10mm) height
Minimum Measuring Area	0.5" x 0.5" (13mm x 13mm)
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	4.3" x 2" x 1" (110 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

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 μ m		0.002mm
2,500 – 3,500 μ m		0.005mm



MEASURING LIMITS

	Minimum Radius for Convex Surfaces	0.2" (5mm)
	Minimum Radius for Concave Surfaces	2" (50mm)
	Minimum Headroom	2" (50mm)
	Minimum Sample Diameter	0.4" (10mm)
	Minimum Substrate Thickness – Fe	20 mils (0.5mm)
	Minimum Substrate Thickness – NFe	2 mils (50 μ m)

COMPLETE KIT



3000EZ-E Series gauges are supplied as a complete kit, with gauge, plastic test 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.