

Coating Thickness Gauge

DC-3000EX



**MADE
IN
GERMANY**



www.itokin2000.com



itokintechnology.co.,LTD



Tel : 02-9744354-6

Coating Thickness

DCF-3000FX - Measures Coatings on Ferrous (steel, iron) Only

DCN-3000FX - Measures Coatings on Non-Ferrous (non-magnetic metal) Only

DCFN-3000FX - Combination Model, Measures Coatings on both Ferrous and Non-Ferrous metal

The Check-Line 3000FX Series coating thickness gauge is a powerful and precise coating thickness gauge designed for measurement of paint and non-magnetic coatings on steel and iron as well as paint and anodizing coatings on non-ferrous metals. All external probes are machined to ultra-high standards and utilize a unique, hard-metal probe tip which prevents probe wear.

A v-notched footer provides a stable footing on small cylindrical parts, which can be removed to expose a "micro-probe" sensor perfect to measure on small surfaces and parts.

Where to use 3000FX Series?

Wherever coatings are applied – whether on visual and aesthetic grounds, to prevent corrosion protection, or for functional and mechanical reasons – the coating thickness represents an essential quality feature. The 3000FX Series is ideal for speedy, non-destructive and exceptionally precise coating thickness measurement.



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Features

- The 3000FX Series is a compact, lightweight coating thickness gauge for operators who require both innovative and user-friendly measuring techniques
- The 3000FX Series ensures non-destructive coating thickness measurement on steel and non Ferrous metals
Data transfer to a printer or PC takes place via an infra-red interface
- Up to 10 000 readings can be statistically evaluated: number of readings, mean value, standard deviation, minimum and maximum reading.
- The 3000FX Series identifies the substrate and activates the appropriate measuring procedure.
- Menu in a choice of three languages ensures ease of operation
- The uniform contact pressure of the sensor is kept to a minimum, preventing scratches and indentations to sensitive surfaces.
- Two optional high temperature footers for measuring on surfaces up to 150 °C/302 °F or up to 300 °C/572 °F
- Traceable Certificate Included at no additional cost
- 2 Year Warranty



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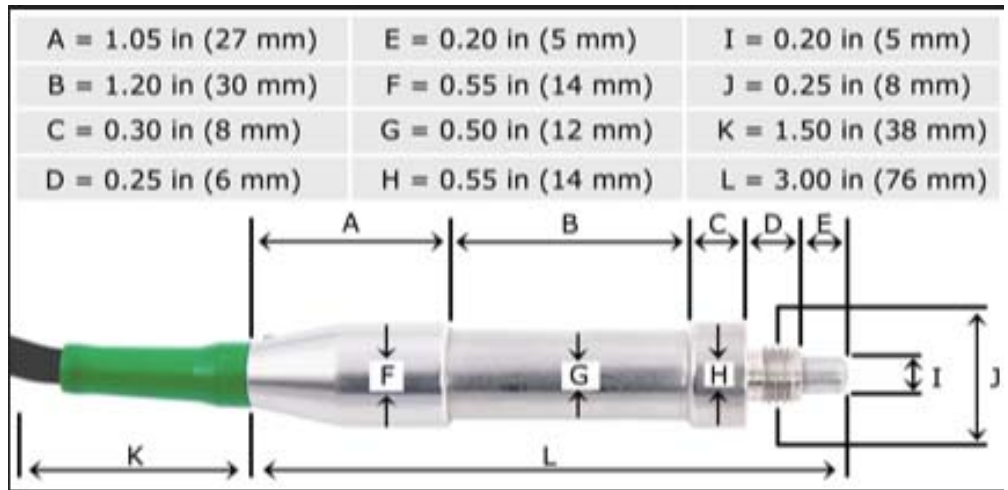
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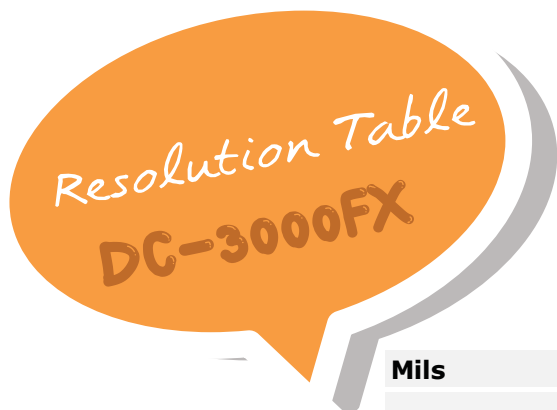
Specification
DC-3000FX



Measuring principle	Magnetic induction principle (Ferrous)
	Eddy-current principle (Non-Ferrous)
Range	0 - 60.00 mils
	0 - 1500 μ m
Accuracy	± 0.04 mils / 1μ m + 1% of reading
Resolution	Refer to RESOLUTION TABLE, above
Display	back-light, 4-digit alphanumeric, digit height 10mm
Minimum Measuring Area	0.2" x 0.2" (5 mm x 5 mm)
Minimum Curvature Radius	convex: 0.12" (3 mm), concave: 0.2" (5 mm)
Minimum Substrate Thickness	Ferrous: 20 mils / 0.5 mm
	Non-Ferrous: 2 mils / 50 μ m
Calibration	factory calibration, zero calibration, foil calibration, offset-function: addition or subtraction of a constant value
Memory	80 readings
Statistics Program	Number of readings, mean value, standard deviation, maximum and minimum reading of max. 10,000 readings
Data Output	Infrared IrDA Standard
Operating Temp.	32 °F - 122 °F / 0 °C - 50 °C
Surface Temp.	5° F - 140° F / -15° C - 60° C (standard)
	5° - 302° F / 15° - 150° C (w/3000-HTF)
	5° - 572° F / 15° - 300° C (w/3000-HTF-300C)
Storage Temp.	-4 °F to 140 °F / -20 °C to +60 °C
Power	2 AA 1.5V
Dimensions	5.6" x 2.5" x 1.2" (140 mm x 62 mm x 30 mm)

Measuring Limits

	Minimum Radius for Convex Surfaces	0.12" (3 mm)
	Minimum Radius for Concave Surfaces	0.2" (5 mm)
	Minimum Headroom	4" (100 mm)
	Minimum Sample Diameter	0.2" (5 mm)
	Minimum Substrate Thickness - F	20 mils (0.5 mm)
	Minimum Substrate Thickness - NFe	2 mils (50 μm)



Mils	
0.00 - 9.99 mils	0.01 mils
10.00 - 24.98 mils	0.02 mils
25.00 - 49.95 mils	0.05 mils
50.0 - 60.0 mils	0.1 mils
Microns (μm)	
0.0 - 99.9 μm	0.1 μm
100.0 - 249.8 μm	0.2 μm
250.0 - 499.5 μm	0.5 μm
500 - 1500 μm	1 μm