

eXacto Coating Thickness Gauge

Application

Non-destructive measurement of:

- Non-magnetic coatings on steel (paint, enamel, chrome etc.)
- Insulating coatings on non-ferrous metals (paint, anodizing etc.)



Performance Features

- Compact design for one-hand operation
- Internal or external probe
- User-friendly menu operation
- Dual version FN: automatically adjusts to the correct substrate metal: ferrous/non-ferrous
- High precision
- Statistical evaluation and infrared interface
- Calibration foils and standards are stored safely in gauge housing

#140-eXacto F

- for non-destructive measurement of non-magnetic coatings on steel

#140-eXacto N

- for non-destructive measurement of insulating coatings on non-ferrous substrates

#140-eXacto FN

- Universal gauge for non-destructive measurement of non-magnetic coatings on steel and insulating coatings on non-ferrous metals

TECHNICAL DETAILS

Metric System

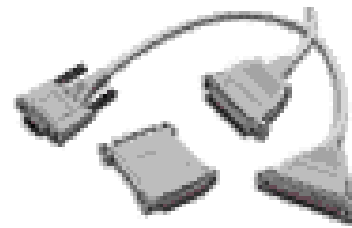
Gauge type:		eXacto F	eXacto FN	eXacto N
Measuring principle:		magnet inductive	magnet inductive; eddy current	eddy current
Measuring range:		0 ... 3000 µm	0 ... 2000 µm	0 ... 2000 µm
Low range resolution:		0,1 µm		
Uncertainty of measurement:		± (2 µm + 3 % of the reading)		
Minimum size of target	Curvature-radius:	convex 5 mm, concave external probe: 25 mm concave internal probe: 35 mm, at the edges: 60 mm		
	Target area:	Ø 20 mm		
	Base thickness:	F = 0,5 mm, N = 50 µm		
Case dimensions:		165 mm (L) x 44 mm (W) x 38 mm (H)		
Weight:		approx. 200 g		
Ambient temperature:		0 ... 50° C		
Power supply:		2 batteries AAA, Micro, LR03, AM4		

Imperial System

Gauge type:		eXacto F	eXacto FN	eXacto N
Measuring principle:		magnet inductive	magnet inductive; eddy current	eddy current
Measuring range:		0 ... 120 mils	0 ... 80 mils	0 ... 80 mils
Low range resolution:		0.01 mils		
Uncertainty of measurement:		± (0.08 mils + 3 % of the reading)		
Minimum size of target	Curvature-radius:	convex: 0.2", concave external probe: 1.0" concave internal probe: 1.4", at the edges: 2.4"		
	Target area:	Ø 0.8"		
	Base thickness:	F = 20 mils, N = 2 mils		
Case dimensions:		6.6" (L) x 1.8" (W) x 1.5" (H)		
Weight:		approx. 7 ounces		
Ambient temperature:		0 ... 50° C		
Power supply:		2 batteries AAA, Micro, LR03, AM4		

Accessories

- Data printer MiniPrint 4100
- Infrared adapter for connection to MiniPrint or PC
- Data transmission software MSAVE



Accessories