

“Elcometer” 456 Series Digital Coating Thickness Gauge

- Working principle: -(F) version is measured by electromagnetic induction
 - Standard
 - Languages – menus in 26 languages
 - Multi-function such as statistic, backlight, different unit(metric and imperial)
 - Accuracy: 1-3% or ±2.5µm (F1, N1 probe)
 - Minimum substrate thickness: 300µm
- Ferrous (F): BS 5411(11), BS 3900(C5), ISO 2178, ISO 2808, BS EN ISO 1461, DIN 50981, ASTM B 499, BS EN ISO 19840
 Non-Ferrous (NF): BS 5411(3), BS 3900(C5), ISO 2360, ISO 2808, DIN 50984, ASTM D1400

Integral Gauge Model with Built-in Sensor Range 0~1500µm:

Integral Gauge Model – economical and can be controlled by one hand

Model	Version	Part No	Range	Properties
Basic	F	A456CFBI1	0~1500µm	➤ User definable on-screen statistics – number of readings, mean, standard deviation, coefficient of variation, minimum, maximum
		A456CFBI2	0~5mm	
		A456CFBI3	0~13mm	
	NF	A456CNBI1	0~1500µm	➤ Backlight – user selectable ideal for dark environments
	FNF	A456CFNBI1	0~1500µm	➤ Switchable metric/ imperial units (mm, µm, mils, inches)
Standard	F	A456CFSI1	0~1500µm	➤ Including functions of basic functionality
	FNF	A456CFNFSI1	0~1500µm	➤ Memory sizes: 750 readings in one batch ➤ With ElcoMaster 2.0 Software, USB Cable
Top	F	A456CFT1	0~1500µm	➤ Including functions of basic functionality
	FNF	A456CFNFT1	0~1500µm	➤ Memory size: 75000 in up to 999 batches ➤ With ElcoMaster 2.0 Software, USB Cable



Remark: 1). Standard and Top model contain “Bluetooth” function,
2). For information of other measuring range, please contact our company.

Separate Gauge Model, Not included Probe:

Separate gauge model – changeable probe for different measure range, can be used separate type miniature probe as well

Model	Version	Model	Properties
Basic	F	A456CFBS	➤ User definable on-screen statistics – number of readings, means, standard deviation, coefficient of variation, minimum, maximum ➤ Backlight – user selectable ideal for dark environments ➤ Switchable metric/imperial units (mm, µm, mils, inches)
	NF	A456CNBS	
	FNF	A456CFNBS	
Standard	F	A456CFSS	➤ Including functions of basic functionality ➤ Memory sizes: 750 readings in one batch ➤ With ElcoMaster 2.0 Software, USB Cable
	NF	A456CNSS	
	FNF	A456CFNFS	
Top	F	A456CFTS	➤ Including functions of basic functionality ➤ Memory size: 75000 in up to 999 batches ➤ With ElcoMaster 2.0 Software, USB Cable
	NF	A456CNTS	
	FNF	A456CFNFTS	



Remark: Standard and top model contain “bluetooth” function

Separate Type Probe Model (For Separate Gauge Only):

	Probe Type	Model	Range
F	F1 Standard	T456CF1S	0~1500µm
	F1 Right Angle	T456CF1R	0~1500µm
	F2 Standard	T456CF2S	0~5mm
	F3 Standard	T456CF3S	0~13mm
NF	N1 Standard	T456CN1S	0~1500µm
FNF	FNF1 Standard	T456CFNF1S	0~1500µm

Remark: For information of other model, please contact our company



Separate Type Miniature Probe Mode (Range: 0~500µm)

	Probe type	Min. Convex Surface Diameter	Min. Concave Surface Radius	Min. Sample Diameter
F	T456FM3---A, Straight Probe	1.5mm	6.5mm	3mm
	T456FM3R45A, 45° Probe	1.5mm	6.5mm	3mm
	T456FM3R90A, 90° Probe	1.5mm	6.5mm	3mm
FNF	T456NM3---A, Straight Probe	3mm	25mm	4mm

Remark: For information of other model, please contact our company