

Elcometer 456 Coating Thickness Gauge with *Bluetooth*®



Elcometer 456

At a glance:

Bluetooth® wireless technology for fast data transfer, ideal for easy report generation and archiving of readings.

Larger display for easy data viewing

Connect to PDA's and mobile phones for instant reporting and e-mailing from the field.

Battery powered

PSPC ready

The new version of the Elcometer 456 Coating thickness Gauge now benefits from a larger display for easy data viewing and a simple calibration feature to make testing even quicker.

The Elcometer 456 also features *Bluetooth*® wireless technology for fast data transfer to the new ElcoMaster™ Software, ideal for easy report generation and archiving of readings. The *Bluetooth*® feature also allows the Elcometer 456 to connect to PDA's and mobile phones for instant reporting and e-mailing from the field.

- **Easy to use gauge:**
Features a larger display screen and on screen user instructions
- **Portable:**
Hand held battery powered instrument. (comparable to the size of a computer mouse)
- **Memory:**
Standard and Top gauges offer secure data storage.
- ***Bluetooth*®†:**
Wireless connectivity from the gauge to a PC or a mobile phone
- **PSPC Ready:**
90/10 rule with autocheck feature – to meet IMO MSC.215 (82) & MSC.216(82) performance standard for protective coatings in ballast tanks

Coating Thickness Gauges-Digital

Simple to interpret, small and portable gauges for the measurement of coatings on all metal surfaces. Digital coating thickness gauges are more accurate, more repeatable and more reproducible than any other type of coating thickness gauge on the market today.

Elcometer offers the world's most comprehensive range of portable digital coating thickness gauges - for measurements on either Ferrous substrates (F), Non-Ferrous substrates (NF), or on both Ferrous and Non-Ferrous (FNF), Elcometer can provide you with a gauge to meet your need.

Can be used in accordance with:

FERROUS (F)

ASTM B 499
ISO 1461
ISO 2178
ISO 2808-7C
ISO 19840
NSTM 009-32
SSPC-PA2

NON-FERROUS (NF)

ASTM D 1400
BS 5599
DIN 50984
ISO 2360
ISO 2808-7D
NSTM 009-32

DUAL FERROUS and NON-FERROUS (FNF)

All of the Ferrous and Non-Ferrous List plus;
ASTM E 376
ASTM D 7091

All Elcometer 456³ Models

IMO MSC.215 (82)
IMO MSC.216 (82)

ELCOMETER 456 GAUGE SPECIFICATIONS

Measurement Speed	Greater than 60 readings per minute
Display	STN Graphics (:CD), 128 x 64 pixels; 19.8 x 39.6mm (0.78" x 4.56")
Battery Type	2 x AAA (LR03) Rechargeable batteries can be used
Battery Life	30 – 40 hours continuous use with alkaline dry batteries. (15,000 – 20,000 readings at an average of 8 readings per minute)
Minimum Substrate Thickness	Ferrous: 0.3mm (12mils); Non-Ferrous: 0.1mm (4mils) unless special calibration adjustment is made
Measurement Options	Ferrous (F), Non Ferrous (NF) and Dual (FNF)
Operating Temperature	0 - 50°C (32 - 120°F)
Dimensions	128 x 68 x 28mm (5.0" x 2.7" x 1.1")
Weight (incl. Dry Batteries)	130g (4.58oz)

† Standard and Top models only

ELCOMETER 456 GAUGE FEATURES

	Basic	Standard	Top
Fast, accurate reading rate >60 readings per minute	•	•	•
Auto substrate recognition on FNF models	•	•	•
Integral and separate probe models available	•	•	•
Switchable metric / imperial units (mm, µm, mils, inches)	•	•	•
Backlight – user selectable ideal for dark environments	•	•	•
Intuitive menu driven display with adjustable text size	•	•	•
Maximised gauge reading display	•	•	•
Languages – menus in 26 languages	•	•	•
User definable limits – <i>Green / Red LEDs for Pass / Fail Inspection</i>		•	•
User definable on-screen statistics – <i>number of readings, mean, standard deviation, coefficient of variation, minimum, maximum</i>	•	•	•
On-screen calibration instructions	•	•	•
Calibration options for:			
Smooth, rough and special substrates	•	•	•
Single and 2-point calibration	•	•	•
Zero offset**	•	•	•
90/10 rule with autocheck feature – <i>to meet IMO MSC.215 (82) & MSC.216(82) performance standard for protective coatings in ballast tanks</i>	•	•	•
Predefined calibration routines to meet::		•	•
ISO, SSPC, Swedish & Australian Standards			
MEMORY			
Memory Size		250 readings in one batch	40,000 in up to 999 batches
Individual reading mode		•	•
Counted average mode		•	•
Individual readings review		•	•
Date and time stamp with clock and alarm functions – <i>readings can be stamped including the last calibration date and time</i>			•
Batch calibrations – <i>each batch can be programmed with a different calibration</i>			•
Batch calibration cloning – copy calibrations between batches			•
DATA OUTPUT			
RS232	•	•	•
Bluetooth®		•	•
Data output modes:			
Immediate output – <i>each reading is transmitted as it is taken</i>	•	•	•
Batch output – <i>send data by batches on command</i>		•	•
ElcoMaster™ & ElcoMaster™ Mobile Software		•	•

* Zero Offset, USA patent Number 6243661

†Zero offset subtracts a user defined value from the reading. Ideal for ISO 19840

Elcometer 456 Integral Gauge with *Bluetooth®*



The Elcometer 456 Integral (built in) Probes offer an ideal gauge for both flat and uneven surfaces. The large “Bigfoot™” probe allows for consistent and repeatable results as there is no cable, the gauge can take readings using one hand and offers *Bluetooth®* wireless technology.

The Elcometer 456 Integral Gauges are ideal for measurement on both organic and inorganic coatings and are available in either:

- Ferrous (F),
- Non-Ferrous (NF), or
- Both Ferrous and Non-Ferrous (FNF)

At a glance

Single handed operation.

Wide footprint to give greater stability,

Ideal for flat & curved surfaces.

Available with *Bluetooth®* wireless technology

Wide range of thickness scales available.

PSPC Ready

ELCOMETER 456 INTEGRAL GAUGE - SPECIFICATIONS AND PART NUMBERS

		Metric	Imperial	Part Number
BASIC	Ferrous Integral Scale 1	0 – 1500µm	0 – 60 mils	A456FBI1
	Ferrous Integral Scale 1 2* - High Resolution	0 – 5mm	0 – 200 mils	A456FBI12
	Ferrous Integral Scale 3	0 – 13mm	0 – 500mils	A456FBI3
	Non-Ferrous Integral	0 – 1500µm	0 – 60 mils	A456NBI1
	Dual Integral FNF	0 – 1500µm	0 – 60 mils	A456FNFB11
STANDARD	Ferrous Integral Scale 1	0 – 1500µm	0 – 60 mils	A456FSI1
	Ferrous Integral Scale 1 2* - High Resolution	0 – 5mm	0 – 200 mils	A456FSI12
	Ferrous Integral Scale 3	0 – 13mm	0 – 500mils	A456FSI3
	Non-Ferrous Integral	0 – 1500µm	0 – 60 mils	A456NSI1
	Dual Integral FNF	0 – 1500µm	0 – 60 mils	A456FNFSI1
TOP	Ferrous Integral Scale 1	0 – 1500µm	0 – 60 mils	A456FTI1
	Ferrous Integral Scale 1 2* - High Resolution	0 – 5mm	0 – 200 mils	A456FTI12
	Ferrous Integral Scale 3	0 – 13mm	0 – 500mils	A456FTI3
	Non-Ferrous Integral	0 – 1500µm	0 – 60 mils	A456NTI1
	Dual Integral FNF	0 – 1500µm	0 – 60 mils	A456FNFTI1

* The F1 2 Scale combines the F1 Scale and F2 Scale in a single probe (Patent applied for) with the user selecting the appropriate range (and hence resolution) for the work in hand.

Elcometer 456 Separate Gauge with *Bluetooth*®†



The Elcometer 456 Separate (Plug in) Probe Option is the most versatile gauge for the measurement of a wide range of coatings on metal substrates.

Available in Basic, Standard and Top Models. Ferrous (F), Non-Ferrous (NF) & Dual FNF versions.

The Elcometer 456 separate gauge is now available with *Bluetooth*® wireless technology.

At a glance

Fully interchangeable probes:

All Ferrous models will accept ANY Ferrous 456 probe

All Non-Ferrous models will accept ANY Non-Ferrous 456 probe

All Dual FNF models will accept ALL 456 probes

Ideal for measuring coating thickness in small & large, smooth & curved, open air or confined environments.

PSPC Ready

ELCOMETER 456 SEPARATE PART NUMBERS

	BASIC	STANDARD	TOP
Ferrous Separate	A456FBS	A456FSS	A456FTS
Non-Ferrous Separate	A456NBS	A456NSS	A456NTS
Dual FNF Separate	A456FNFBS	A456FNFSS	A456FNFSTS
Probes for Elcometer 456 Separate Gauges are supplied separately. Please remember to select the appropriate probe(s) from the following pages.			

Separate Probe Types

A wide range of probe types and scale ranges are available for the Elcometer 456 separate gauge.



STANDARD PROBES (F, NF & FNF)

Available in Standard Right Angle or Telescopic options and are suitable for most coating thickness requirements.



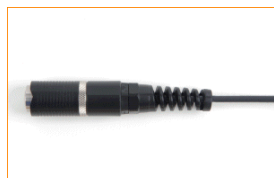
MINIATURE PROBES (F & NF)

Ideal for taking measurements in hard to reach places, on small surface areas and on concrete reinforcement bars. Miniature probes are available in Straight, Right Angle and 45° options. All miniature probes are available in either 45mm (1.77") or 150mm (5.90") probe lengths.



PINIP™ PROBES (F, NF & FNF)

The Plug-In Integral Probe (PINIP™), has been designed to be screwed into the base of any separate Elcometer 456 gauge to transform their separate gauge into an integral unit for single handed operations. Its 'Bigfoot™' Probe gives greater stability on large surface areas. Also available is a High Temperature version for measuring coatings on hot ferrous substrates up to 250° (480°F)













WATERPROOF PROBES (F)

Ideal for taking measurements in wet conditions or underwater up to depths of 10m (32'8"). Waterproof probes are available with standard, 5m (16'4") and 15m (49'2") probe lead lengths.

Standard Probe Specification














Operating Temperature	Ferrous: Up to 150°C (300°F); Non-Ferrous & FNF: Up to 80°C (176°F)
Storage Temperature	-10 to 60°C (14 to 140°F)
Minimum Substrate Thickness	Ferrous: 0.3mm (12mils); Non-Ferrous: 0.1mm (4mils)

Probe Type	Part Number	Measuring Range	Accuracy ¹	Resolution	 Convex Surface Diameter	 Concave Surface Radius	 Headroom	 Minimum Sample Diameter
F1 S 	T456F1S T456F1S-5 (with 5m probe lead) T456F1S-15 (with 15m probe lead)	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	25mm (0.98")	85mm (3.35")	4mm (0.16")
F1 2 S set as F1 	T456F12S	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	25mm (0.98")	85mm (3.35")	4mm (0.16")
F1 2 S set as F2		0-5mm 0-200 mils	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	4mm (0.16")	25mm (0.98")	89mm (3.50")	8mm (0.32")
F1 RA 	T456F1R T456F1R-5 (with 5m probe lead) T456F1R-15 (with 15m probe lead)	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	25mm (0.98")	28mm (1.10")	4mm (0.16")
F1 2 RA set as F1 	T456F12R	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	25mm (0.98")	28mm (1.10")	4mm (0.16")
F1 2 RA set as F2		0-5mm (0-200mils)	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	4mm (0.16")	25mm (0.98")	32mm (1.26")	8mm (0.32")
F1 T 	T456F1T	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	25mm (0.98")	32mm (1.26")	4mm (0.16")
F2 T 	T456F2T	0-5mm (0-200mils)	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	4mm (0.16")	25mm (0.98")	36mm (1.42")	8mm (0.32")

S = Standard Probe RA = Right Angle Probe T = Telescopic Probe AA = Anodising Probe

¹ Accuracy: ±1% when calibrated close to the required thickness, ±3% across the range.

Standard Probe Specification (2)

Probe Type	Part Number	Measuring Range	Accuracy ¹	Resolution	 Convex Surface Diameter	 Concave Surface Radius	 Headroom	 Minimum Sample Diameter
F3 S 	T456F3S	0-13mm (0-500mils)	±1-3% or ±0.05mm (±1-3% or ±2.0mil)	1µm up to 2mm 10µm; 2-13mm (0.1mil up to 100mils; 1mil 100-500mils)	15mm (0.59")	40mm (1.57")	102mm (4.02")	14mm (0.55")
F6 S 	T456F6S	0-25mm (0-980mils)	±1-3% or ±0.1mm (±1-3% or ±2.0mil)	10µm up to 2mm; 100µm 2-25mm (1mil up to 100mils; 10mils 100-980mils)	35mm (1.4")	170mm (6.7")	150mm (5.9")	51mm x 51mm (2" x 2")
N1 S 	T456N1S	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	35mm (1.38")	25mm (0.98")	85mm (3.35")	6mm (0.24")
N1 RA 	T456N1R	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	35mm (1.38")	25mm (0.98")	28mm (1.10")	6mm (0.24")
N1 AA 	T456N1AS	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	35mm (1.38")	25mm (0.98")	85mm (3.35")	6mm (0.24")
N2 S 	T456N2S	0-5mm (0-200mils)	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	100mm (3.97")	150mm (5.90")	85mm (3.35")	14mm (0.55")
N6 S 	T456N6S	0-30mm (0-1200mils)	±1-3% or ±0.05mm (±1-3% or ±2.0mil)	10µm up to 2mm; 100µm 2-30mm (1mil up to 100mils; 10mil 100-1200mils)	n/a	400mm (15.8")	160mm (6.3")	58mm (2.3")
FNF1 (N mode) 	T456FNF1S	0-1500µm (0-60 mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	38mm (1.50")	25mm (0.98")	88mm (3.46")	8mm (0.32")
FNF1 (F mode)					4mm (0.16")	25mm (0.98")	88mm (3.46")	4mm (0.16")
FNF1 RA (N mode) 	T456FNF1R				38mm (1.50")	25mm (0.98")	34mm (1.34")	8mm (0.32")
FNF1 RA (F mode)					4mm (0.16")	25mm (0.98")	34mm (1.34")	4mm (0.16")

S = Standard Probe RA = Right Angle Probe T = Telescopic Probe AA = Anodising Probe

¹ Accuracy: ±1% when calibrated close to the required thickness, ±3% across the range.






Miniature Probe Specifications

Measuring Range	0 - 500µm (0 - 20mils)
Operating Temperature	Ferrous: Up to 150°C (300°F) ¹ ; Non-Ferrous & FNF: Up to 80°C (176°F)
Storage Temperature	-10 to 60°C (14 to 140°F)
Accuracy ²	±1-3% or ±2.5µm / ±1-3% or ±0.1mil
Resolution	Below 100µm: 0.1µm, 100 - 500µm: 1µm (Below 5mils: 0.01mil, 5 - 20mils: 0.1mil)
Minimum Substrate Thickness	Ferrous: 0.3mm (12mils); Non-Ferrous: 0.1mm (4mils)



¹ 45mm Ferrous Straight Probe with sleeve fitted: Up to 80°C (176°F)

² Accuracy: ±1% when calibrated close to the required thickness, ±3% across the range.

Probe Type [†]	Part Number	Minimum Convex Surface Diameter 	Minimum Concave Surface Radius 	Minimum Sample Diameter 	Minimum Access  	
FERROUS MINIATURE PROBES						
Straight Probe, 45mm (1.77")	T456FM3---A	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	6mm (0.24")	
Straight Probe, 150mm (5.90")	T456FM3---C	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	6mm (0.24")	
45° Probe, 45mm (1.77")	T456FM3R45A	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	18mm (0.71")	7mm (0.28")
45° Probe, 150mm (5.90")	T456FM3R45C	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	18mm (0.71")	7mm (0.28")
90° Probe, 45mm (1.77")	T456FM3R90A	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	16mm (0.63")	7mm (0.28")
90° Probe, 150mm (5.90")	T456FM3R90C	1.5mm (0.06")	6.5mm (0.26")	3mm (0.12")	16mm (0.63")	7mm (0.28")
NON-FERROUS MINIATURE PROBES						
Straight Probe, 45mm (1.77")	T456NM3---A	3mm (0.12")	25mm (0.98")	4mm (0.16")	6mm (0.24")	
Straight Probe, 150mm (5.90")	T456NM3---C	3mm (0.12")	25mm (0.98")	4mm (0.16")	6mm (0.24")	
45° Probe, 45mm (1.77")	T456NM3R45A	3mm (0.12")	25mm (0.98")	4mm (0.16")	18mm (0.71")	7mm (0.28")
45° Probe, 150mm (5.90")	T456NM3R45C	3mm (0.12")	25mm (0.98")	4mm (0.16")	18mm (0.71")	7mm (0.28")
90° Probe, 45mm (1.77")	T456NM3R90A	3mm (0.12")	25mm (0.98")	4mm (0.16")	16mm (0.63")	7mm (0.28")
90° Probe, 150mm (5.90")	T456NM3R90C	3mm (0.12")	25mm (0.98")	4mm (0.16")	16mm (0.63")	7mm (0.28")

[†] Additional probe lengths available on request. For further information please contact Elcometer.

PINIP™ Probe Specifications

Operating Temperature	Up to 80°C (176°F) with limited duty cycle. High Temp PINIP™ up to 250°C (480°F) with limited duty cycle (one reading every 15 seconds)
Storage Temperature	-10 to 60°C (14 to 140°F)
Minimum Substrate Thickness	Ferrous: 0.3mm (12mils); Non-Ferrous: 0.1mm (4mils)







Probe Type	Part Number	Measuring Range	Accuracy ¹	Resolution	 Convex Surface Diameter	 Concave Surface Radius	 Headroom	 Minimum Sample Diameter
F1 PINIP™	T456F1P	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	60mm (2.36")	155mm (6.09")	4mm (0.16")
F1 2 PINIP™ Set as F1	T456F12P	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	60mm (2.36")	155mm (6.09")	4mm (0.16")
F1 2 PINIP™ Set as F2	T456F12PHT (Hi-Temperature PINIP™)	0-5mm (0-200 mils)	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	4mm (0.16")	60mm (2.36")	159mm (6.25")	8mm (0.32")
F3 PINIP™	T456F3P	0-13mm (0-500mils)	±1-3% or ±0.05mm (±1-3% or ±2.0mil)	1µm up to 2mm 10µm; 2-13mm (0.1mil up to 100mils; 1mil 100-500mils)	15mm (0.59")	45mm (1.77")	169mm (6.65")	14mm (0.55")
N1 PINIP™	T456N1P	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	35mm (1.38")	50mm (1.97")	155mm (6.09")	6mm (0.24")
FNF1 PINIP™ N Mode	T456FNF1P	0-1500µm (0-60 mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	38mm (1.50")	55mm (2.17")	156mm (6.15")	8mm (0.32")
FNF1 PINIP™ F Mode					4mm (0.16")	55mm (2.17")	156mm (6.15")	4mm (0.16")

¹ Accuracy: ±1% when calibrated close to the required thickness, ±3% across the range.

Waterproof Probe Specifications

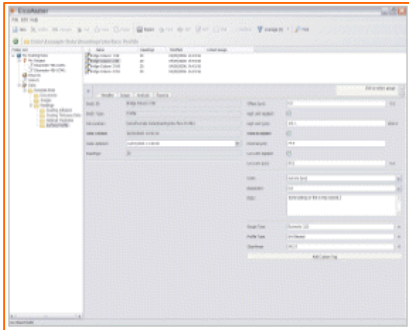
Operating Temperature	Up to 50°C (122°F). Short term use up to 80oC (176oF)
Storage Temperature	-10 to 60°C (14 to 140°F)
Minimum Substrate Thickness	0.3mm (12mils)



Probe Type	Part Number	Measuring Range	Accuracy¹	Resolution	 Convex Surface Diameter	 Concave Surface Radius	 Headroom	 Minimum Sample Diameter
F1 S	T456F1SW T456F1SW-5 (with 5m probe lead) T456F1SW-15 (with 15m probe lead)	0-1500µm (0-60mils)	±1-3% or ±2.5µm (±1-3% or ±0.1mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	40mm (1.57")	130mm (5.12")	4mm (0.16")
F1 2 S Set as F1	T456F12SW T456F12SW-5 (with 5m probe lead)	0-1500µm (0-60mils)	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	0.1µm up to 100µm; 1µm 100-1500µm (0.01mil up to 5mils; 0.1mil 5-60mils)	4mm (0.16")	40mm (1.57")	130mm (5.12")	4mm (0.16")
F1 2 S Set as F2	T456F12SW-15 (with 15m probe lead)	0-5mm 0-200 mils	±1-3% or ±0.02mm (±1-3% or ±1.0mil)	1µm up to 1mm; 10µm 1-5mm (0.1mil up to 50mils; 1mil 50-200mils)	4mm (0.16")	40mm (1.57")	130mm (5.12")	8mm (0.32")
F3 S	T456F3SW T456F3SW-5 (with 5m probe lead) T456F3SW-15 (with 15m probe lead)	0-13mm (0-500mils)	±1-3% or ±0.05mm (±1-3% or ±2.0mil)	1µm up to 2mm 10µm; 2-13mm (0.1mil up to 100mils; 1mil 100-500mils)	15mm (0.6")	40mm (1.57")	130mm (5.12")	14mm (0.55")

ElcoMaster™ Data Management Software

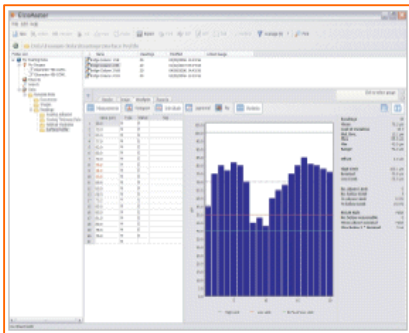
Whether you want to use the data for analysis or to create professional reports for distribution to customers or colleagues, ElcoMaster™ can help. With built in report templates and easy access of all data, images and other associated files, ElcoMaster™ makes managing your data simple.



The software has been designed to be familiar and intuitive to any PC user. When the gauge is connected to the PC, individual readings can be sent directly into the software for real time analysis or simply 'drag and drop' a batch from the gauge to the software.

You can store all of your associated job or inspection files, health and safety reports etc. within ElcoMaster™ - providing you with one programme that holds all of your inspection information in one place.

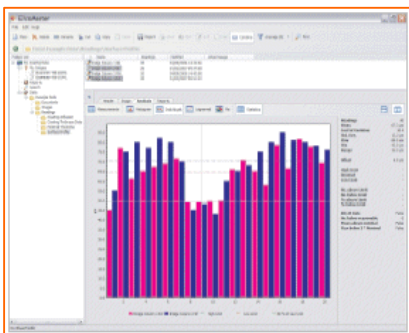
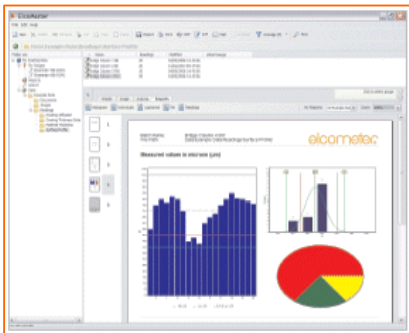
Viewing data and producing standard reports is achievable in just a few clicks. Fully customised reports can be produced quickly by using the ElcoMaster™ report designer.



In addition to the readings and charts, you can also assign a digital photograph to an individual batch of data, allowing you to visually display the inspection area in your reports. Batches can be combined for immediate comparison of data from various areas of the job site.

ElcoMaster™ features include:

- Create professional reports in seconds.
- Export reports to spreadsheets, text files or save as PDF or JPEG files.
- Copy and paste reports into other documents.
- Reports can be combined in order to clearly compare different batches.
- E-mail reports directly from ElcoMaster™.
- Assign batch identification tags.
- Batches can be renamed to clearly identify the inspection batch.
- Wide range of standard reports include;
 - Individual measurements
 - Statistics
 - Histograms
 - Individual line or bar charts
 - Log normal
 - Pie charts
- Fully customise reports using the ElcoMaster™ report designer tool.
- Include company graphics and logos on every report.
- Combine batches to compare readings or link batches together from different gauges into one comprehensive inspection file.
- Find feature to quickly locate a specific file or batch.



Related Products



Calibration Foils



Probe Adaptors



Probe Placement Jig

Elcometer has a wide range of accessories for their coating thickness gauges, from larger handgrips for greater reading repeatability, to probe placement fixtures, portable printers to soft coatings adapters, Elcometer can help you achieve the maximum from your paint gauge.

Formal quality systems such as those described in ISO 9000 and Guide 25 require that gauges be properly controlled, logged and in calibration. Increasingly, users are specifying that the readings taken by gauges are traceable to National Standards. There are three types of coating thickness standards available from Elcometer: coated standards, foils and zero test plates.

ENGLAND

Elcometer Instruments Ltd
Edge Lane
Manchester M43 6BU

Tel: +44 (0)161 371 6000
Fax: +44 (0)161 371 6010
e-mail: sales@elcometer.com
www.elcometer.com

USA

Elcometer Inc
1893 Rochester Industrial Drive
Rochester Hills Michigan 48309

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: inc@elcometer.com
www.elcometer.com

CANADA

Elcometer Ltd
PO Box 622, 401 Ouelette Avenue
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: ca_info@elcometer.com
www.elcometer.com

ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd
896 Dunearn Rd
Sime Darby Centre #3-09
Singapore 589472,
Republic of Singapore

Tel: +65 6462 2822
Fax: +65 6462 2860
e-mail: asia@elcometer.com
www.elcometer.com

BELGIUM

Elcometer SA
Rue Vallée 13
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
e-mail: be_info@elcometer.be
www.elcometer.be

FRANCE

Elcometer Sarl
97 Route de Chécy
45430 BOU

Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
e-mail: fr_info@elcometer.fr
www.elcometer.fr

GERMANY

Elcometer Instruments GmbH
Himmlingstraße 18
D-73434 Aalen

Tel: +49 (0)7366 91 92 83
Fax: +49 (0)7366 91 92 86
e-mail: de_info@elcometer.de
www.elcometer.de