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WHY BUY
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Elcometer 456 Coating Thickness Gauge



Elcometer 456 Coating Thickness Gauge

At a glance

- Fast, accurate & easy to use Paint & Coating Thickness Gauge.
- Available as an integral or separate probe version.
- Menu driven display with all calibration & on screen instructions in 22 languages.
- 3 versions available - basic, standard & top - to meet your specific requirements.

Elcometer 456 Coating Thickness Gauge

With its recently enhanced and simplified menu screen options, the Elcometer 456 remains the most advanced hand held coating thickness gauge on the market today.

This flagship product is available in any combination of Basic, Standard, and Top functionality; together with Integral (built in) and an extensive range of separate plug in probes.

With such an extensive range of gauge options, there is an Elcometer 456 to meet your specific application needs.

In this section the Elcometer 456 Range is explained as follows:

- Gauge Features
- Integral Gauges and Options
- Separate Gauges
- Range of Separate Probe Options
 - Standard
 - Miniature
 - Plug in Probes (PINIP™)

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.

With a wide choice of gauges to choose from, the User needs to understand the terminology of Coating Thickness Gauges or, 'The Language of CTGs'.

THE LANGUAGE OF CTGs

In selecting the most appropriate gauge for your application, you need to answer specific questions.

1. What is the substrate (the surface metal) you are coating/inspecting?

Is the metal a Ferrous Substrate (F) or a Non-Ferrous (NF)? Sometimes this is difficult to answer – the substrate may have already been coated. The easiest way to identify this is to see if a magnet will stick to the surface. If it does, then the substrate will be Ferrous, if it does not, then the substrate is Non-Ferrous.

2. Do you measure only on this substrate?

If you only inspect one type of product, then the answer is yes. If you have a range of products that you inspect, then you need to consider whether they are all of the same type of substrate. You should also consider if you have a future possibility of inspecting other substrates. If so, you should consider an FNF gauge.

| Can be used in accordance with: | | |
|---|--|--|
| FERROUS (F) | NON-FERROUS (NF) | DUAL FERROUS and NON-FERROUS (FNF) |
| ASTM B 499 BS 5411-11 BS 3900-C5-6Aa BS EN ISO 1461 DIN 50981 ISO 2178 ISO 2808-6Aa prEN ISO 19840 | ASTM D 1400 ASTM B 244 BS 5411-3 BS 3900-C5-6Ba BS 5599 DIN 50984 ISO 2360 ISO 2808-6Ba | All of the Ferrous and Non-Ferrous List plus; ASTM E 376 |

| ELCOMETER 456 GAUGE FEATURES | | | |
|---|-------|---------------------------|-----------------------------|
| | Basic | Standard | Top |
| Fully Interchangeable Separate Probe Option | • | • | • |
| Menu driven display | • | • | • |
| User switchable Normal / Extended menu options | • | • | • |
| On-screen Help function | • | • | • |
| User switchable Metric / Imperial units | • | • | • |
| On-screen calibration instructions in 22 languages | • | • | • |
| Calibration options (stated): | | | |
| - smooth, 2 point, rough surfaces and special substrate | • | • | • |
| - zero offset* (subtracts a fixed value from reading) | • | • | • |
| - ISO, SSPC, Swedish and Australian predefined | | • | • |
| Backlight for measurement in dark areas | • | • | • |
| Infrared data output | • | • | • |
| Immediate data output | • | • | • |
| Batch data output | | • | • |
| Cable data output to PC | | • | • |
| Free PC software and download cable | | • | • |
| Statistics (from single readings or within batches) | | | |
| - Number of readings, mean, standard deviation, coefficient of variation, highest and lowest readings | • | • | • |
| Readings memory | | 250 readings in one batch | 40,000 in up to 999 batches |
| Individual reading review | | • | • |
| Individual batch calibrations | | | • |
| Reading limits (high and low values can be set by the User) | | • | • |
| Clock and Alarm – prompt to take next reading | | | • |
| Date and time stamp on print outs | | | • |
| * Zero Offset, USA patent Number 6243661 | | | |

3. What is your Coating / Substrate Combination?

Ensure compatibility of the coating and substrate; whether a coating thickness gauge will provide an accurate reading.

4. Typically what sort of coating thickness do you need to measure?

This will help you select the correct probe scale range - e.g. Scale 1 measures coatings up to 1500µm (60mils).

5. What type of probe do you need?

Depending on your application you can select from:

- Integral Probe (the probe is built into the gauge for accurate single handed measurements on large surface areas, pipes, etc.)
- Separate Probe (the probe is connected to the gauge by a cable for all applications).
- PINIP™ (the separate probe is directly attached to the base of the instrument – providing, in your separate gauge, all the benefits of an integral unit).

Separate Probes can be selected from our wide range to meet your application requirements. These include:

- *Regular Probes:* Including Straight, Right Angle (90°) and Telescopic options
- *Miniature Probes:* Including Straight, Right Angle (90°), 45° Angle all in either long or short versions.

6. Do you need to save your readings for your ISO records, or as proof of inspection to your customer?

Elcometer gauges are available in three options:

- *Basic Gauge* -with simple statistics but no memory or data output
- *Standard Gauge* -with statistics, limited memory and data output
- *Top Gauge* -with statistics, enhanced memory, batching capability and data output

| ELCOMETER 456 GAUGE SPECIFICATIONS | |
|------------------------------------|--|
| Measurement Speed | Greater than 60 readings per minute |
| Display | STN Graphics (LCD), 128 x 64 pixels; 19.8 x 39.6mm (0.78" x 1.56") |
| 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 | 300 microns (12 mils) 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) |



Integral Gauge Options



Elcometer 456 Integral Gauge Options

Elcometer 456 Integral Gauge Options

The Elcometer 456 Integral (built in) Probes offer an ideal gauge for flat or uneven surfaces alike. Their large 'Bigfoot™' probe allows for consistent and repeatable results as there is no cable, the gauge can take readings using one hand.

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, accuracy & repeatability of readings.*
- *Ideal for flat & curved surfaces.*
- *Can be used on smooth & blast profiled substrates.*
- *Wide range of thickness scales available.*

ELCOMETER 456 INTEGRAL GAUGE - SPECIFICATIONS AND PART NUMBERS

| | | Metric | Imperial | Part Number |
|----------|---|------------|--------------|-------------|
| BASIC | Ferrous Basic Integral Scale 1 | 0 – 1500µm | 0 – 60 mils | A456FB11 |
| | Ferrous Basic Integral Scale 2 | 0 – 5mm | 0 – 200 mils | A456FB12 |
| | Ferrous Basic Integral Scale 1 2* -High Resolution | 0 – 5mm | 0 – 200 mils | A456FB112 |
| | Ferrous Basic Integral Scale 3 | 0 – 13mm | 0 – 500 mils | A456FB13 |
| | Non-Ferrous Basic Integral | 0 – 1500µm | 0 – 60 mils | A456NB11 |
| | Dual Basic Integral FNF | 0 – 1500µm | 0 – 60 mils | A456FNFB11 |
| STANDARD | Ferrous Standard Integral Scale 1 | 0 – 1500µm | 0 – 60 mils | A456FS11 |
| | Ferrous Standard Integral Scale 2 | 0 – 5mm | 0 – 200 mils | A456FS12 |
| | Ferrous Standard Integral Scale 1 2* -High Resolution | 0 – 5mm | 0 – 200 mils | A456FBS112 |
| | Ferrous Standard Integral Scale 3 | 0 – 13mm | 0 – 500 mils | A456FS13 |
| | Non-Ferrous Standard Integral | 0 – 1500µm | 0 – 60 mils | A456NS11 |
| | Dual Basic Standard FNF | 0 – 1500µm | 0 – 60 mils | A456FNFS11 |
| TOP | Ferrous Top Integral Scale 1 | 0 – 1500µm | 0 – 60 mils | A456FT11 |
| | Ferrous Top Integral Scale 2 | 0 – 5mm | 0 – 200 mils | A456FT12 |
| | Ferrous Top Integral Scale 1 2* -High Resolution | 0 – 5mm | 0 – 200 mils | A456FT112 |
| | Ferrous Top Integral Scale 3 | 0 – 13mm | 0 – 500 mils | A456FT13 |
| | Non-Ferrous Top Integral | 0 – 1500µm | 0 – 60 mils | A456NT11 |
| | Dual Basic Top FNF | 0 – 1500µm | 0 – 60 mils | A456FNFT11 |

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

Separate Gauge Options



Elcometer 456 Separate Gauge Options

Elcometer 456 Separate Gauge Options

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.
- Available in Ferrous (F), Non-Ferrous (NF) & Dual FNF versions.

At a glance

- *A wide range of probes available for measurements in almost any environment.*
- *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.*

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 the Elcometer 456 Separate Gauges are supplied separately. Please remember to select the appropriate probe (s) from the Elcometer probes list on the following page

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.



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)



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.

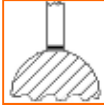

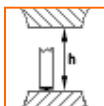
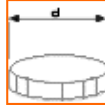
Standard Probe Options

| Probe Type | Part Number | Measuring Range | | Accuracy ¹ | | Resolution | |
|------------------|---|-----------------|---------------|-----------------------|----------------------|--|---|
| | | Metric | Imperial | Metric | Imperial | Metric | Imperial |
| F1 Standard |  T456F1S | 0-1500 µm | 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 |
| F1 Right Angle |  T456F1R | | | | | | |
| F1 Telescopic |  T456F1T | | | | | | |
| F2 Standard |  T456F2S | 0-5mm | 0-200 mils | ±1-3% or ±0.02µm | ±1-3% or ±1.0mils | 1µm up to 1mm 10µm 1-5mm | 0.01mil up to 50mils 1mil 50-200mils |
| F2 Right Angle |  T456F2R | | | | | | |
| F2 Telescopic |  T456F2T | | | | | | |
| F1 2 Standard |  T456F12S | 0-1500 µm | 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 50mils 1mil 50-200mils |
| F1 2 Right Angle |  T456F12R | 0-5mm | 0-200 mils | ±1-3% or ±0.02µm | ±1-3% or ±1.0mils | 1µm up to 1mm 10µm 1-5mm | 0.01mil up to 50mils 1mil 50-200mils |
| F3 Standard |  T456F3S | 0-13mm | 0-500 mils | ±1-3% or ±0.05µm | ±1-3% or ±2.0mils | 1µm up to 2mm 10µm 2-13mm | 1mil up to 100mils 1mil 100-500mils |
| N1 Standard |  T456N1S | 0-1500 µm | 0-60 mils | ±1-3% or ±2.5µm | ±1-3% or ±1.0mils | 0.1µm up to 100µm 1µm 100-1500µm | 0.01mil up to 5mils 0.1mil 5-60mils |
| N1 Right Angle |  T456N1R | | | | | | |
| N1A Anodiser |  T456N1AS | | | | | | |
| N2 Standard |  T456N2S | 0-5mm | 0-200 mils | ±1-3% or ±2.5µm | ±1-3% or ±0.1mil | 1µm up to 1mm 10µm 1-5mm | 0.01mil up to 50mils 1mil 50-200mils |
| FNF1 Standard |  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 |
| FNF1 Right Angle |  T456FNF1R | | | | | | |







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

Standard Probe Specifications

| | | |
|-----------------------------|---------------------------|------------------------------|
| Operating Temperature | 0 to 50°C (32 to 120°F) | |
| Storage Temperature | -10 to 60°C (14 to 140°F) | |
| Minimum Substrate Thickness | Ferrous – 0.3mm (12 mils) | Non-Ferrous – 0.1mm (4 mils) |

| Probe Type |  Minimum Convex Surface Diameter |  Minimum Concave Surface Radius |  Headroom |  Minimum Sample Diameter |
|------------------------------------|---|--|--|---|
| F1 (or F1 2 set as F1) | 4mm (0.16") | 25mm (0.98") | 85mm (3.35") | 4mm (0.16") |
| F2 (or F1 2 set as F2) | 4mm (0.16") | 25mm (0.98") | 89mm (3.50") | 8mm (0.32") |
| F1 Right Angle (or F1 2 set as F1) | 4mm (0.16") | 25mm (0.98") | 28mm (1.10") | 4mm (0.16") |
| F2 Right Angle (or F1 2 set as F2) | 4mm (0.16") | 25mm (0.98") | 32mm (1.26") | 8mm (0.32") |
| F1 Telescopic | 4mm (0.16") | 25mm (0.98") | 32mm (1.26") | 4mm (0.16") |
| F2 Telescopic | 4mm (0.16") | 25mm (0.98") | 36mm (1.42") | 8mm (0.32") |
| F3 Standard | 15mm (0.59") | 40mm (1.57") | 102mm (4.02") | 14mm (0.55") |
| N1 | 35mm (1.38") | 25mm (0.98") | 85mm (3.35") | 6mm (0.24") |
| N1 Right Angle | 35mm (1.38") | 25mm (0.98") | 28mm (1.10") | 6mm (0.24") |
| N1A Anodiser's Probe | 35mm (1.38") | 25mm (0.98") | 85mm (3.35") | 6mm (0.24") |
| N2 Standard | 100mm (3.97") | 150mm (5.90") | 85mm (3.35") | 14mm (0.55") |
| FNF1 (N mode) | 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 Right Angle (N mode) | 38mm (1.50") | 25mm (0.98") | 34mm (1.34") | 8mm (0.32") |
| FNF1 Right Angle (F mode) | 4mm (0.16") | 25mm (0.98") | 34mm (1.34") | 4mm (0.16") |



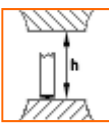
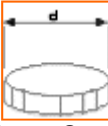
PINIP™ Probe Options

| Probe Type | Part Number | Measuring Range | | Accuracy ¹ | | Resolution | |
|---|-------------|-----------------|--------------|-----------------------|--------------------|---|---|
| | | Metric | Imperial | Metric | Imperial | Metric | Imperial |
| F1 PINIP™  | T456F1P | 0 – 1500µm | 0 – 60 mils | ±1-3% or ±2.5µm | ±1-3% or ±0.1mils | 0.10µm up to 100µm 1µm 100–1500µm | 0.01mils up to 5mils 0.1mils 5–60mils |
| F2 PINIP™  | T456F2P | 0 – 5mm | 0 – 200 mils | ±1-3% or ±0.02mm | ±1-3% or ±1.0mils | 1µm up to 1mm 10µm 1–5mm | 0.1mils up to 50mils 1mils 50–200mils |
| F1 2 High Temp PINIP™  | T456F12PHT | 0 – 5mm | 0 – 200 mils | ±1-3% or ±0.02mm | ±1-3% or ±1.0mils | 1µm up to 1mm 10µm 1–5mm | 0.1mils up to 50mils 1mils 50–200mils |
| F3 PINIP™  | T456F3P | 0 – 13mm | 0 – 500 mils | ±1-3% or ±0.05mm | ±1-3% or ±2.0mils | 1µm up to 2mm 10µm 2–13mm | 0.1mils up to 100mils 1mils 100–500mils |
| N1 PINIP™  | T456N1P | 0 – 1500µm | 0 – 60 mils | ±1-3% or ±2.5µm | ±1-3% or ±0.1mils | 0.10µm up to 100µm 1µm 100–1500µm | 0.01mils up to 5mils 0.1mils 5–60mils |
| FNF1 PINIP™  | T456FNF1P | 0 – 1500µm | 0 – 60 mils | ±1-3% or ±1µm | ±1-3% or ±0.04mils | 0.10µm up to 100µm 1µm 100–1500µm | 0.01mils up to 5mils 0.1mils 5–60mils |

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



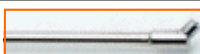
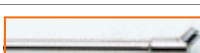
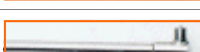
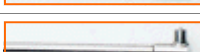

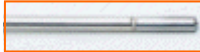




PINIP™ Probe Specifications

| | |
|------------------------------------|--|
| Operating Temperature | Up to 150°C (300°F) except for High Temp PINIP™ for temperatures up to 250°C (480°F) |
| Storage Temperature | -10 to 60°C (14 to 140°F) |
| Minimum Substrate Thickness | Ferrous – 0.3mm (12 mils) Non-Ferrous – 0.1mm (4 mils) |

| Probe Type |  Minimum Convex Surface Diameter |  Minimum Concave Surface Radius |  Headroom |  Minimum Sample Diameter |
|------------------------|---|--|--|---|
| F1 (or F1 2 set as F1) | 4mm (0.16") | 60mm (2.36") | 153mm (6.02") | 4mm (0.16") |
| F2 (or F1 2 set as F2) | 4mm (0.16") | 60mm (2.36") | 157mm (6.18") | 8mm (0.32") |
| F3 | 15mm (0.59") | 45mm (1.77") | 168mm (6.61") | 14mm (0.55") |
| N1 | 35mm (1.38") | 50mm (1.97") | 153mm (6.03") | 6mm (0.24") |
| FNF1 (N mode) | 38mm (1.50") | 55mm (2.17") | 154mm (6.06") | 8mm (0.32") |
| FNF1 (F mode) | 4mm (0.16") | 55mm (2.17") | 154mm (6.06") | 4mm (0.16") |




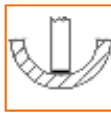
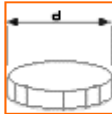


Miniature Probe Options

| Probe Type | | Part Number | Measuring Range | | Accuracy ¹ | | Resolution | |
|------------------------------|---|--------------|-----------------|-----------|-----------------------|------------------------|--|---|
| | | | Metric | Imperial | Metric | Imperial | Metric | Imperial |
| FERROUS MINIATURE PROBES | | | | | | | | |
| M3 Straight - 45mm |  | T456FM3---A | 0-500 µm | 0-20 mils | ±1-3% or ±2.5µm | ±1-3% or ±0.1mil | 0.1µm - 100µm 0.1µm 100 - 500µm 1µm | 0 - 5mils 0.01mil 5 - 20mils 0.1mils |
| M3 Straight - 150mm |  | T456FM3---C | | | | | | |
| M3 45° Angle- 45mm |  | T456FM3R45A | | | | | | |
| M3 45° Angle- 150mm |  | T456FM3R45C | | | | | | |
| M3 Right Angle - 45mm |  | T456FM3R90A | | | | | | |
| M3 Right Angle - 150mm |  | T456FM3R90C | | | | | | |
| NON-FERROUS MINIATURE PROBES | | | | | | | | |
| NM3 Straight - 45mm |  | T456FNM3---A | 0-500 µm | 0-20 mils | ±1-3% or ±2.5µm | ±1-3% or ±0.1mil | 0.1µm - 100µm 0.1µm 100-500µm 1µm | 0 - 5mils 0.01mil 5-20mils 0.1mils |
| NM3 Straight - 150mm |  | T456FNM3---C | | | | | | |
| NM3 45° Angle - 45mm |  | T456NM3R45A | | | | | | |
| NM3 45° Angle - 150mm |  | T456NM3R45C | | | | | | |
| NM3 Right Angle - 45mm |  | T456NM3R90A | | | | | | |
| NM3 Right Angle - 150mm |  | T456NM3R90C | | | | | | |

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 | Up to 150°C (300°F) |
| Accuracy¹ | ±1-3% or ±2.5µm / ±1-3% or ±0.1mils (The accuracy quoted has been defined using a 100 micron foil, with the miniature probe held in a Probe Placement Jig.) |
| Resolution | Below 100µm: 0.1µm, 100 - 500µm: 1µm Below 5mil: 0.01mil, 5 - 20mils: 0.1mil |

| | |  |  |  |  |  |
|-------------------------------|-------------|---|---|---|---|---|
| Probe Type† | Part Number | Minimum Convex Surface Diameter | Minimum Concave Surface Radius | Minimum Sample Diameter | Minimum Access Requirements | |
| | | | | | Height | Width |
| 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") |

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

†Additional probe lengths are available upon request. For further information please contact Elcometer



Related products



Elcometer Digital
Coating Accessories



Elcometer Standards
and Calibration Foils



Elcometer 355



Elcometer 365



Elcometer Inspection
Kits

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.

Accuracy, simplicity, versatility and flexibility are the watchwords of the Elcometer 355, a truly state of the art hand-held measuring system packed with time-saving and cost cutting features. The key to the superiority of the Elcometer 355 is its measuring system which features a range of interchangeable Probe Modules capable of an accuracy of $\pm 1\%$ of the reading on a variety of coatings and substrates.

The increased demand on coating performance has resulted in a need for greater control throughout the coating process. The Elcometer 365 has been designed to provide a controlled method of coating inspection - thereby allowing the user to monitor the coating process, statistically (SPC). The data generated by the Elcometer 365 can alert the operator to alter the process before the coating parameters have been exceeded, avoiding costly re-work.

Site inspection requires a range of portable testing equipment. In order to make these products easily available and transportable, Elcometer have developed a range of Inspection Kits. All the gauges are conveniently stored in one hard plastic protective carrying case and are supplied with full operating instructions.

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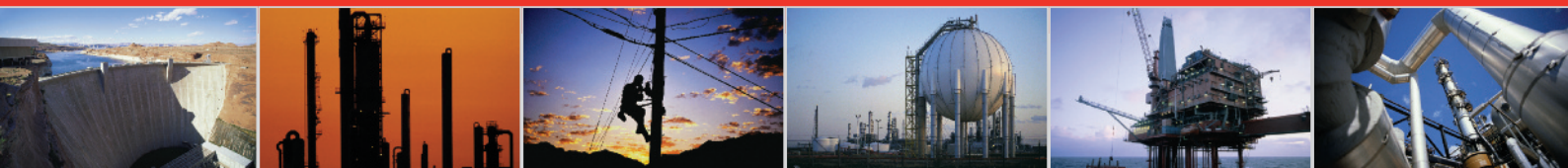
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