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Elcometer Digital Inspection Kits

Available as a Basic or Top version, these digital inspection kits have been specifically designed to undertake the three principal inspection requirements in the Protective and Industrial Coatings Industry – climate, surface profile and dry film thickness.

Coating Inspection Kits
Site inspection requires a range of portable testing equipment. In order to make these products easily available and portable, Elcometer have developed a range of Coating Inspection Kits.

All the gauges are conveniently stored in one hard plastic protective carrying case and are supplied with full operating instructions.

Digital Inspection Kit; Basic Version

Inspection kit containing entry level digital inspection equipment designed for the less advanced user to carry out inspection tasks.

Kit Contents:

- Elcometer 224 Model B Integral Digital Surface Profile Gauge, 0 – 500µm (0 – 20mils)
- Elcometer 319 Standard Dewpoint Meter
- Elcometer 456 Model B Ferrous Separate Coating Thickness Gauge with standard separate probe; 0- 1500µm (0 – 60mils)

Gauges have on-screen statistics and a rolling memory[a] for storing up to 10 readings[b].

Digital Inspection Kit; Top Version

Contains higher specification instruments with greater functionality for more advanced inspection processes and measurements.

Kit Contents:

- Elcometer 224 Model T Integral Digital Surface Profile Gauge, 0 – 500µm (0 – 20mils)
- Elcometer 319 Top Dewpoint Meter with Magnetic Surface Probe
- Elcometer 456 Model T Ferrous Separate Coating Thickness Gauge with standard separate probe; 0- 1500µm (0 – 60mils)
- ElcoMaster™ 2.0 Data Management Software & USB Cable

Gauges have memory which can store up to 150,000[b] readings and Bluetooth® technology for cable free data transfer and are compatible with ElcoMaster™ 2.0 Software, ideal for creating detailed, professional reports.

ElcoMaster™ for Android™ can also be used to transfer readings from Elcometer Bluetooth inspection gauges straight to smart phones and tablets running Android 2.1 or above, allowing data analysis immediately on site, without having to turn on a computer. Visit our website for further details.

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[a] The Elcometer 224 Model B does not store readings but does have rolling statistics.

[b] The actual number of readings depends on the instrument.

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Kit Content / Part Number	YKIT-DIGITAL-B	YKIT-DIGITAL-T
Elcometer 224 Integral Digital Surface Profile Gauge Scale Range: 0 - 500µm (0 - 20mils) Complete with Calibration Test Foils - Nominal Values: 125 & 500µm (5 & 20mils), Glass Zero Tile, AA Batteries (x2), Probe Tip Protection Cap, Wrist Strap and Test Certificate	✓ (Model B)	✓ (Model T)
Elcometer 319 Digital Dewpoint Meter Complete with AA Batteries (x2), Wrist Strap and Test Certificate	✓ (Standard)	✓ (Top)
Elcometer 319 Magnetic Surface Probe	○	✓
Elcometer 456 Ferrous Separate Digital Coating Thickness Gauge Complete with AA Batteries (x2), Wrist Strap and Test Certificate	✓ (Model B)	✓ (Model T)
Elcometer 456 Ferrous Standard Separate Probe Scale Range: 0 - 1500µm (0 - 60mils) Complete with Scale 1 Foil Set: 25, 50, 125, 250, 500 & 1000µm (1, 2, 5, 10, 20 & 40mils) and Test Certificate	✓	✓
Elcometer 456 Ferrous PINIP™ Probe Scale Range: 0 - 1500µm (0 - 60mils) Complete with Scale 1 Foil Set: 25, 50, 125, 250, 500 & 1000µm (1, 2, 5, 10, 20 & 40mils) and Test Certificate	○	○
ElcoMaster™ 2.0 Software CD and USB Cable	○	✓

○ *Space in kit to fit, but not supplied. Order separately if required.*

SPARES / ACCESSORIES	
Part Number	**Description**
T22420053	Elcometer 224: Replacement Tips (Pack of 2) with Fixing Tool
T22420095	Elcometer 224: Replacement Tips (Pack of 5)
T22419793	Elcometer 224: Tip Protection Cap
T99022255-9	Elcometer 224: Foil Set Scale SP1[‡]
T99022255-9C	Elcometer 224: Certified Foil Set Scale SP1[‡]
T22420072	Elcometer 224: Glass Zero Tile
T31920162	Elcometer 319: Magnetic Surface Probe; -40 to 80ºC (-40 to 176ºF)
T9996390-	Elcometer 319: Liquid Temperature Probe; -200 to 1100ºC (-328 to 2012ºF)
T456CF1S	Elcometer 456: Ferrous Standard Separate Probe 0 - 1500µm (0 - 60mils)
T456CF1P	Elcometer 456: Ferrous PINIP™ Probe 0 - 1500µm (0 - 60mils)
T99022255-1	Elcometer 456: Scale 1 Foil Set[†]
T99022255-1C	Elcometer 456: Certified Scale 1 Foil Set[†]
T9994910-	Elcometer 456: Ferrous Zero Test Plate ±1%; 50.8 x 25.4mm (2.0 x 1.0")
T9999529-	Elcometer 456: Ferrous Zero Test Plate ±2%; 76.2 x 50.8mm (3.0 x 2.0")
T99921325	Elcometer 224, 319 & 456: USB Cable

[‡] Scale SP1 Set contains foil sizes: 125 & 500µm (5 & 20mils)

[†] Scale 1 Set contains foil sizes: 25, 50, 125, 250, 500 & 1000µm (1, 2, 5, 10, 20 & 40mils)

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Each kit contains a combination of the following digital inspection instruments required to perform the most common daily inspection tasks. Measure:

- **Climatic conditions using the Elcometer 319 Dewpoint Meter**

  The Elcometer 319 has been designed to incorporate all the features required for climate condition monitoring in a single gauge with memory and measurement options which make this one of the most versatile digital dewpoint meters available.

  The clear, illuminated display can show any combination of up to five climatic parameters including: % Relative Humidity, Specific Humidity, Surface Temperature, Ambient Air Temperature, Dewpoint Temperature, Delta T, Dry Bulb Temperature and Wet Bulb Temperature.

  The Standard Gauge has a 10 reading rolling memory whereas the Top Gauge can store up to 40,000 sets of readings in 999 batches. It also offers USB data output and Bluetooth[®] wireless technology for cable free data transfer. Used in conjunction with ElcoMaster™ 2.0 software readings can be stored and used to create professional reports.

- **Surface profile using the Elcometer 224 Digital Surface Profile Gauge**

  The Elcometer 224 provides the very latest in surface profile measuring technology. Accurate, fast and very user friendly, the Elcometer 224 Model B displays statistical values as readings are taken. The Model T has the advantage of a large built-in memory to accurately record up to 150,000 readings in 2,500 batches.

  o Fast, accurate reading rate; 6*0+ readings per minute*
  o Tough, impact, water & dust resistant; *equivalent to IP64*
  o Automatic rotating display; *0°, 90°, 180° & 270°*
  o Gauge software updates; *via ElcoMaster™ 2.0 software*
  o On screen statistics
  o Limits; *user definable audible & visual pass/fail warnings*

- **Dry film thickness using the Elcometer 456 Digital Coating Thickness Gauge**

  The new Elcometer 456 Coating Thickness Gauge sets new standards making measuring dry film thickness faster, reliable and accurate; helping you to become more efficient.

  o Fast, accurate reading rate; *70+ readings per minute*
  o Tough, impact, water & dust resistant; *equivalent to IP64*
  o Automatic rotating display; *0°, 90°, 180° & 270°*
  o Gauge software updates; *via ElcoMaster 2.0 software*
  o On screen statistics
  o Multiple calibration methods
  o Limits; *user definable audible & visual pass/fail warnings*

Create professional reports using ElcoMaster 2.0 Data Collection Software

ElcoMaster™ 2.0 is a fast, easy to use software solution for all your reporting requirements.

With in-built report templates and easy access of all data, images and other associated files, ElcoMaster™ 2.0 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. All associated job or inspection files, health and safety reports etc. can be stored within ElcoMaster™ 2.0.

One programme 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™ 2.0 Report Designer.

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