

Quality Control Instrumentation elcometers

Adhesion Testers

Cross Hatch Adhesion Tester



- Elcometer 107, 1540, 1542 Cross Hatch Cutters
- Instant assessment of the quality of the bond to the
- substrate fast, low cost, visual comparison method
- Ideal for paint and powder coatings up to 250 microns - 1, 1.5, 2, 3mm spacing - 6 or 11 teeth
 - Conforms to ISO, AS, ASTM, DIN, BS, EN, NFT

Climate Condition Monitor

- Elcometer 319 Dew Meter Standard & Top models
- Air temperature, Relative Humidity (RH), Surface Temperature, Dewpoint Temperature, Data Logger
- DeltaT-difference between dewpoint & surface temp
- Bluetooth / USB output to free ElcoMaster Software

Infra Red Temperature



- Elcometer 214L, 8889 Infrared Temp Guns •
- Non contact temperature gauges with laser pointer • Range: -40 to 500°C for the most popular 8889
- Accuracy: ±2%, Resolution: 0.1°C, 10:1 D:S

Coating Thickness Gauges

Dry Film Thickness – Digital

- Elcometer 456 Coating Thickness & 311, 415, 355
- >70 rdgs/min, new scan mode >140 in Auto Repeat
- Separate, Miniature and wide range of Probes
- Accuracy: ±1 to 2%, Range: 0 31mm, Trend Graph •
- USB / Bluetooth output: 150,000 rdgs, 2500 batches
- Upgradeable Firmware, 2 yr Warranty, IP64 rating
- Conforms to ISO, AS, ASTM, BS, DIN, SSPC, IMO

Dry Film Thickness - Destructive

- Elcometer 121/4 Paint Inspection Gauge (PIG), 141
- Used for non metallic substrates eg wood, plaster,
- plastic and for determination of multilaver coatings. · Conform to ISO, AS, ASTM, BS, DIN, ECCA, EN

Drv Film Thickness – Standards



- Elcometer 995 Coated Thickness Standards to ISO · Elcometer 990 Calibration Foils / Shims to ISO
- · Accuracy: 1%, Range: 12mic to 20mm
- Used in the laboratory and on site
- Ideal method for accurately calibrating a DFTG unit

Powder Coating Thickness Gauge - Uncured



- Accurately predicts the cured coating thickness within \pm 5% of the reading or \pm 5µm
 - Easy to read, large colour display- Range 30-110µm
 - Test coatings on metal, wood, MDF, plastic & more

Also Elcometer 155 Uncured Powder Comb

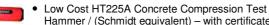
Concrete Covermeters / Rebar Locators



- Elcometer 331 Basic, Standard, Top, Kolectric 8022 Rebar detection, orientation, depth, diameter
- Also potential for corrosion with Half Cell
- Download readings to PC, Conforms to ISO
- Accuracy: ±1mm. Range: 0 to 180mm

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Concrete Hardness / Test Hammer

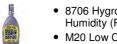


- Hammer / (Schmidt equivalent) with certificate
- Elcometer 181 Mechanical, 182 Digital Test Hammer
- Quick & easy to use, 182 downloads readings to PC
- Non-destructive method of testing concrete insitu

Pull Off Adhesion Tester

- Elcometer 106,506,508,510 Pull Off Adhesion Tester
- Easy to operate, uses re-usable dolly 10-50mm
- Fully portable, measure on small, curved, flat surface
- Range: up to 100MPa, Accuracy: ±1% full scale
- Quick connect coupling field or lab tests
- Conforms to ISO, AS/NZS, ASTM, BS, EN, NFT

Climatic Condition Testing Hygro Thermometer



- 8706 Hygro Thermometer Air Temperature, Relative Humidity (RH), Dewpoint Temperature, Wet Bulb
- M20 Low Cost Hygro Thermometer RH & Temp
- Elcometer 116 Whirling / Sling Hygrometer
- Protimeter BLD7751 Hygromaster 2- download to PC

Temperature



• Elcometer 113, 212, 213-2 Temperature Gauges

 NEW Elcometer 500 Coating Thickness Gauge for ultrasonic non-destructive coating thickness

- Air, Surface, Liquid Temperature, Limpet Magnetic
 - Range: -50 to 1370°C various probe options
 - Accuracy: ±1% or 1°C, Resolution: 0.1 to 1°C

Dry Film Thickness – Coating on Concrete

- - 60 rdgs/min, >140 in scan mode
 - USB / Bluetooth output: 100,000 rdgs, 1,000 batches

measurement on Concrete & other similar substrates

- Signal strength indicator- accurate & reliable readings
- Rugged, ergonomic probes field replaceable

Accuracy: 2%; Range: 150mic to 10mm

Dry Film Thickness – Mechanical

- Elcometer 211 Magnetic DFTG Banana Gauge
- Ideal for hazardous and dangerous environments
- Can be used under water Accuracy : ±5%, 0 to 1000u
- · Conforms to ISO, AS, ASTM, BS, DIN, SSPC, NF

Dry Film Thickness - Software



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- Free ElcoMaster for 456,224,319,130,MTG8,480,500
- User friendly, create professional reports in seconds
- For PC and Mobile use customised reports for all applications - insert logos, images, GPS co-ordinates
- Save data to Cloud for access anywhere in the world

Wet Film Thickness

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Concrete Moisture

- Elcometer 112, 115, 3236, 3238, 154 WFC's, 3230
 - Quick, easy method of measuring coating thickness
 - ٠ Plastic, Aluminium or Stainless Steel Combs, Wheels
 - 2, 4 or 6 sided combs or high accuracy wheels

• Elcometer 506, 510 (Automatic) &106/6 Adhesion Tester-to measure adhesion of Coatings on Concrete

Special 50mm diameter dollies for rough surfaces

106/6:Hand operated, 506,510:Smooth Pull Rate

Concrete Moisture Encounter (CME) specifically

designed for flooring industry - no drilling required

Range: 0 to over 6% Depth: 12.5mm non destructive

DM4A Moisture Meter digital non-destructive meter

Moisture Measurement System MMS for RH as well

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Range: 106/6: 0 to 3.5 MPa; 506 & 510: 0.3 to 4 MPa

• Conforms to ISO. Range: 25 to 3000 microns



Concrete Testing

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Coating Physical Test Equipment

Abrasion, Washability & Brushability

- Elcometer 1720 Abrasion, Scrubbing, Washability To test paint, lacquers, inks, coatings & much more
 - Wide range of tools available- flat & curved samples
 - Elcometer Taber 5750 Linear Abraser and 5135 &
 - 5155 Abrasers regarded as the industry standard
 - Conforms to ISO, AS, ASTM, DIN, EN, GME, PSA

Drying Time & Permeability

- Elcometer 5100 Payne Permeability Cups
- Used to determine the permeability of films of paint, varnish, plastic, cellophane, etc

Film Application & Test Charts

- Elcometer 4340 Motorised Automatic Film Applicator
 - Elcometer 3520 Baker Film Applicators, 4360 &
 - 4361 Spiral Bar Coaters / Draw Down Bars
 - Cube Film Applicator, Multiple Gap, with reservoirs
 - Wide range thicknesses & widths, Vacuum Tables
 - Leneta / Opacity Test Charts full range available

Laser Distance Meters

- Leica Disto Laser Distance: D1, D110, D2, X310,
- D410, D510, D810 & S910 Accuracy: ±1mm
- Range: 0 to 40, 60, 100, 120, 150, 200 & 300m
- Pythagoras function heights, Tilt sensor for angles
- D1, D110, D510, D810, S910- Bluetooth connection
- Shortcut keys for addition, subtraction, area, volume
- Digital Pointfinder (4X zoom), large 2.4" colour display

Balances / Density

- Elcometer 8720 KB Balance
 - Low cost easy to use. Range 0 10100g
 - Elcometer 1800 Densimeter / Picnometer / Specific Gravity Cup - 50cc or 100cc, Optional Certificate
 - Stainless steel precision instrument for determining the specific weight of paints and similar products

Elasticity & Resistance Deformation

- Elcometer 1510, 1500, 1506 Mandrel Bend Testers
- Elcometer 1620 Cupping Test
- Elcometer 1615 Variable Impact Testers
- Used for testing elasticity, adhesion, elongation & cracking of paint on sheet metal & impact resistance
- Conforms to ISO,AS,ASTM,BS,DIN,ECCA,JIS,NFT

Fineness of Grind Gauges

- Elcometer 2020 Hegman North Grind Gauge
- Elcometer 2050 High Precision Grindometer
- Elcometer 2070 NPIRI Fineness of Grind Gauges
- Used to determine particle size and fineness of grind of many materials, including: paints, pigments, inks, coatings, chocolates or other similar products
- · Conforms to ISO, AS, ASTM, DIN, EN, FTMS, NF

Distance & Levels

Levels

- Digital Inclinometer 360° Angle Gauge Module measures Angles in Degrees or Slopes in %
- Various rail lengths: 250, 600, 1000mm. Also Module Accuracy to 0.1 for all Angles
- LCD display operates through 0 to 360°

Glossmeters

- Elcometer 480 Gloss Meters are small, robust & ergonomic, easy to use, highly accuracy, repeatable
- & reproducible 3 10 readings per second
- Multiple angles; 20°, 60°, 85° 40,000 reading memory in up to 2,500 batches, USB & Bluetooth®
- · Auto calibration tile recognition via RFID Rhopoint Novo Gloss Meters- 60°. 20/60°. 20/60/85°

Shade / Reflectometer

- Rhopoint Novo-Shade Duo+ Reflectometer/Opacity
- Measures shade and opacity with 45/0° geometry
- Automatic calibration mode. 2 year warranty
- Continuous-read feature for large surfaces
- Includes Novo-Soft[™] for download to computer
- Conforms to ISO, ASTM, DIN & FTMS

Hardness of Metals

And in case of the local division of the loc

- TH5100 Integrated Portable Hardness Testers
- Automatic identification of impact test direction
- Very compact size, high accuracy, wide measuring
- range and simplicity of operation with digital readout
- Affri Metaltest for thin materials from 0.08 mm

Concrete Hardness / Test Hammer

- Low Cost HT225A Concrete Compression Test
 - Hammer / (Schmidt equivalent) with certificate
 - Elcometer 181 Mechanical, 182 Digital Test Hammer
 - · Quick & easy to use, 182 downloads readings to PC
 - · Non-destructive method of testing concrete insitu



Hardness of Non Metals

- Elcometer 3101 Barcol Impressor Portable Hardness Tester - aluminium, copper, brass, plastic, fibre-glass
- Affri Shore A & D, TH200, TH210 Shore Durometers / Hardness Testers for soft & hard rubber & plastic
- Digital or Analogue models to suite your application

Hardness - Coatings

- Elcometer 3080, 501 Pencil Hardness Tester
- Elcometer 3086 Motorised Pencil Hardness tester
- Elcometer 3092 Sclerometer, 3000 Clemen Unit
- Elcometer 3045 Persoz / Konig Pendulum Hardness
- All for testing Hardness & Scratch resistance
- Conforms to ISO, AS, ASTM, DIN, EN, GME, PSA

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Gloss & Appearance

Haze / Distinctness of Image (DOI) / Goniophotometer

- Rhopoint Novo-Gloss IQ Image Quality, Haze, Distinctness of Image (DOI), Goniophotometer
 - The instrument profiles complete specular reflectance and calculates gloss, peak specular reflectance, Distinctness of Image (DOI) and Reflection Haze
- The Novo-Scan IQ can achieve similar results to the Wavescan at a fraction of the price

· Elcometer 6210 RAL Colour reference charts -Colour collection of RAL CLASSIC Colours

maintain colour consistency and quality

• Elcometer 6300 Colour Cabinet - view samples to

· Conforms to ISO, AS, ASTM, BS, SAE, TAPPI, NF

Colour



Inspectors Accessories

Coatings Defects Manuals / Publications

- Elcometer Fitz Atlas of Coating Defects reference manual with over 180 colour photographs to help the site inspector identify coating failures
 - Elcometer Macaws Pipeline Defects Manual illustrates range of effects in high pressure steel pipelines and pipeline coatings

Inspectors Accessories - Other

· Elcometer 147 Weld Gauge - angle of preparation, high - low, fillet weld throat & length

Measures the minimum film forming temperature of

Elcometer 144 Paint Safe Marker Pens

Also called Temperature Gradient Bar

Used in industries such as foods, cosmetics,

confectionery, wrapping papers, adhesives

Complies with ISO 2115 and ASTM 2354

Magnifiers & Microscopes

- 139 Illuminated Pocket Microscope 30x / 60-100x
- Elcometer 131 Telescopic Inspection Mirrors-150cm
- Elcometer 137 10x Illuminated Magnifier-scaled lens
- Elcometer 7210 30x Microscope ideal for defects ٠
- Elcometer 900 50x Concrete Crack Microscope
- · Various magnification and ranges

Inspectors Accessories - Other

- Elcometer 132 Torch / Flashlight Intrinsically safe
- Elcometer 143 Crack Width Ruler simple low cost
- Pocket Real Estate Master calculator



Oven Temperature Logger



Vibration

- Elcometer 215 Oven Temperature Data Recorder including Software - 260k readings, Thermal Barrier Easy to use, measure & record the oven temp profile
- Large display for easy menu-driven operation
- Displays result of every stored batch, incl Cure-index
- Accuracy: 1°C, Resol: 0.1°C, Range: -200 to 1300°C

• TV7120 and TV7126 Portable Pen Type Vibration

Tester - ideal for quick test of bearings and gears TV7231 Portable Vibration Tester with full graphic

LCD & Spectrum Analysis, 3 display modes, RS232

Anemometer

- 8910, Elcometer G410 Anemometer / Air Flow / Velocity / Air Speed Meter
- Accuracy: 2%, 0.6°C. Resolution: 0.01ms, 0.1°C
- Range: 0.4 to 35 ms, -10 to 50°C

water based materials.

8910 - Wind Speed, RH, Dew Point, Windchill, Altitude, Heat Index, Barometric Pressure

Metal Detection / Locators

Wall Tie and Stud Locators



- **Rebar Locators and Covermeters** Elcometer 331 Concrete Covermeter – Basic, Standard & Top, Kolectric 8022 CoverMeter
 - Allows identification of location, orientation, depth
 - and diameter of rebar & the potential for corrosion
 - Conforms to ISO, AS, ASTM, BS, DIN, TR, UNI

Industrial Metal Detectors

- Elcometer P500 Imp Box locator. Depth: 1 metre
 - Simple to use and very rugged
- Detects Manholes, Valve Boxes, Stakes, Nails

- MT6 Metal Locator / Detector finds non-ferrous & ferrous metal.

Pipe and Cable Locator

- Subsite 250 Receiver & Transmitter Pipe & Cable Locator & Cable Avoidance Tool - up to 4.5m deep
 - Sondes / Beacons for Non Metallic Pipes, & Clamps



Inspection Kits

Digital Inspection Kits

- Elcometer Digital Basic and Top Kits 4 models
- Portable, and conveniently stored in a hard, plastic
- case- Top models download readings to ElcoMaster Elcometer 319 Climate Gauges with logging
- Elcometer 224 Surface Profile Gauges
- Elcometer 456 Coating Thickness Gauges
- Separate models enable you to carry out multiple tests at a time

Elcometer Blasting Inspection Kit



- The Elcometer Blasting Inspection Kit is a surface preparation inspection kit providing a range of inspection equipment to test surface profile and surface contamination of blasted profiles.
- Other Kits include: Elcometer Protective Inspection Kit for Hazardous Areas, Surface Contamination, Coatings on Concrete Inspection Kit

inspection accessories conveniently stored in a hard, plastic case. Measurement options include: Material Thickness, Surface Inspection, Weld Inspection, Surface

Elcometer Protective Coating Inspection Kits - 6 Kits

Comprehensive kit incorporating all key gauges and

Cleanliness, Surface Profile, Climatic Conditions, Coating Thickness, Adhesion & Pinhole Detection.

Elcometer Qualicoat Powder Coating Inspection Kit



- The Qualicoat Organisation brings together the ideals of several national coating associations into one quality label for the powder coating applied to aluminium architectural applications
- Also a Powder Coating Inspection Kit
- Other Kits include: Automotive Inspection, Elcometer Duct Deposit Measuring System

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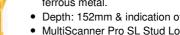


Measuring Instruments



Protective Coating Inspection Kits

to PC

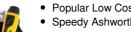


- Depth: 152mm & indication of depth MultiScanner Pro SL Stud Locator

Building Materials

- Surveymaster Moisture Meter is a Digital dual mode unit - Search (20mm deep) & Measure (Pin) options
 - Moisture Encounter Plus (MEP) Moisture Meter
- Range: from 5 to 30% actual Moisture % 0 to 100% Relative Scale, Depth: 20 & 30mm

General Purpose



- Popular Low Cost Mini 2000 Pin Moisture Meter
- Speedy Ashworth Calcium Carbide Moisture Meter Moisture Measurement System (MMS) Dampness
- Diagnosis Kit Measure, Search, Hygrometer, Infrared Mode, USB output and Logging function

• DM4A Moisture Meter - digital non destructive

universal moisture meter for measuring moisture in

Paper / Cardboard



- paper, cardboards, also wood, building materials Range: 0-50% (adjust.) Resol: 0.1%. Depth: 30mm
 - Also RS232 Output to PC .

Ultrasonic Flaw Detection Gauges



- FD700DL small, powerful, fast, accurate hand-held flaw detectors - ideal for weld inspection & forgings
- Sizing Toolkits: DAC, AWS, TCG, DGS, A / B Scans
- Screen Refresh Rate: Adjustable 60 & 120 Hz
- Large data storage with multiple formats: Alpha numeric grid and sequential w/auto identifier

Sponge / Pinholes

- Elcometer 270 Sponge / Pinhole Detector 9 & 90V
- High quality, low voltage detector coating <500µm
- · Accessories: sponge sizes, roller wands, telescopic
- · Inspection Kit with all accessories available
- Conforms to ISO, BS, EN, ASTM, NACE, RP

Surface Profiles – Blasted

- Elcometer 224 Digital Basic, Top Bluetooth / USB
- link to ElcoMaster measure on convex surfaces
- Elcometer 123 Analogue Surface Profile Gauge Elcometer 122 Testex Tape & 124 Dial Gauge
- Elcometer 125 Comparators, 119 Pipe Pit Gauge

Surface Profiles – Machined / Roughness

- TR3110/3200 Portable Digital Machined Roughness
- Accurate, portable, hand held, pocket sized
- Elcometer Rubert and Rugotest Comparators
 - Elcometer 7062 Marsurf Surface Roughness Tester with various pickup extensions and software

Low Cost popular models



- TT2110, TT300, SA40 Ultrasonic Wall Thickness
- Popular hand held digital instruments to measure • material thickness of materials from one side only
- Accuracy: ±1%. Range: 0.8 to 225mm
- Resolution: 0.01mm, Download to PC with TT300
- High Temp and various frequency probes available

Viscosity - Flow and Dip Cups

- · Elcometer Viscosity Cups: Quick, easy, low cost
- method, measure consistency of paints, varnishes
- Ford 4 most popular, ISO, ASTM, FORD, AFNOR, NFT, DIN, NF, EN, NBN, BS all available
- · Frikmar, Zahn, Shell, Lory, Daniel Flow cups · Viscosity Oils for calibration available
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Timbermaster Moisture Meter is a simple to use digital pin type moisture meter with Heavy Duty probe

- It has 8 in-built calibration scales for ease of use
- Range: 6% to 90% Resolution: 0.1% Depth:10/30mm

Concrete Moisture Encounter (CME) specifically

designed for flooring industry - no drilling required

• Range: 0 to over 6% Depth: 12.5mm non destructive

Moisture Measurement System MMS for RH as well

• Digital Balemaster Meter with 600mm probe for Bales

Grainmaster "i" Moisture Meter- Accurate- repeatable

Pre-programmed 15 crop calibrations, 1year warranty

Very popular in the tobacco industry as well

• DM4A Moisture Meter digital non-destructive meter

• DM4A, MEP, Mini 2000, Digital Mini Moisture Meter



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Moisture

Wood

Agriculture



Non Destructive Testing NDT

Corrosion / Precision Thickness Gauges

- CG70, CG100 Corrosion Thickness with A & B scans
- Range: 500mm, High speed scan mode: 32 / second
- PTG6, PTG8, PG70ABDL- 0.01or 0.001mm resolution
- Range: 0.15 to 25.4mm, ideal for thin materials
- A, B scans, Data Logging, Scan Mode, Adjustable gain, Limit Alarm, Gates, Differential mode



- 3 ranges: 0 to 5, 15 or 30kV, extra safety features
- Accessories for various applications rolling springs for external pipeline inspection, extension handle
- 280 ideal for pipelines no signal return cable req.

Surface Cleanliness – Soluble Salt Profiler

- Elcometer 130SSP Soluble Salt Profile Salt Meter
- Generates full colour salt density maps in 2D or 3D
- Gives you a Bresle equivalent reading link to PC
- Elcometer 130 Salt Contamination Meter
- Soluble Salt Meter SSM easy use, no consumables

Surface Cleanliness

- Elcometer 138 Bresle Kit & Elco 135 Bresle Patches
- Elcometer 134 CSN- Chlorides, Sulphates & Nitrates
- Elcometer 128 Pictorial Surface Stds, Amine Blush

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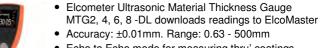
- Elcometer 142 Dust Tape Test Kit to ISO 8502-3

Elcometer Range



Ultrasonic Material Wall Thickness

Viscosity and Consistency

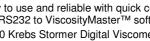


- · Echo to Echo mode for measuring thru' coatings
- ٠ Easy to use menu driven - wide range of transducers
- Elcometer 204,304,307 Ultrasonic Thickness Gauges

Rotational Viscometers

- Elcometer 2300 range of Rotational Viscosity Tester
 - For low to high velocity Select speeds, Temp. probe Accurate, easy to use and reliable with guick connect
 - spindles, also RS232 to ViscosityMaster™ software Elcometer 2250 Krebs Stormer Digital Viscometer

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elcometer

Surface Preparation





