

Adhesion

Cross Hatch



- 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

Pull Off



- Elcometer 106, 106/6, 1910, 1940 PAT
- Easy to operate, fully portable, uses re-usable dolly
- Provides a numerical value for adhesion
- Various ranges up to 120 MPa – field or lab tests
- Conforms to ISO, AS, ASTM, EN, NFT

Climatic Condition Testing

Climate Condition Monitor



- Elcometer 319 Dew Meter – Standard & Top models
- Air temperature, Relative Humidity (RH), Surface Temperature, Dewpoint Temperature
- DeltaT-difference between dewpoint & surface temp
- Bluetooth output to ElcoMaster Software
- Conforms to ISO, BS, IMO, US Navy

Hygro Thermometer



- Low cost M20, 8706, 8857, Elcometer 116 Whirling Hygrometer, 6700 Thermo Hygrograph
- Air Temperature, Relative Humidity (RH), Surface Temperature, Dewpoint Temperature, Wet Bulb
- DeltaT - difference between dewpoint & surface temp
- Accessories include Software, Surface temp probe

Infra Red Temperature



- Elcometer 214L, 8889, IR882, TI213, 315 High Temp
- Non contact temperature gauges with laser pointer
- Range : -40 to 520°C for the most popular 8889
- Accuracy : $\pm 2\%$, Resol. : 0.1°C, up to 120:1 D:S
- Also available high temperature up to 3000°C

Temperature



- Elcometer 113, 212, 213, 213-2
- Portable Digital & Analog Temperature Gauges
- Air, Surface, Liquid Temperature
- Range : -50 to 1370°C
- Accuracy : $\pm 1\%$ or 1°C, Resolution : 0.1 to 1°C

Coating Thickness

Dry Film Thickness – Digital



- Elcometer 456 Dry Film Coating Thickness (DFTG)
- Over 60 readings per minute. Also 311, 415, 355
- Separate and Miniature Probes available
- Accuracy : ± 1 to 2%, Range : 0 to 25mm
- Download to PC : 40000 readings up to 999 batches
- Conforms to ISO, AS, ASTM, BS, DIN, SSPC, IMO

Dry Film Thickness - Destructive



- Elcometer 121/4 Paint Inspection Gauge (PIG), 141, 195 Saberg Drill, 126, 3240 Digital & Dial Gauge
- Used for non metallic substrates eg wood, plaster, plastic and for determination of multilayer coatings.
- Low cost conversion to Cross Hatch Tester
- Conform to ISO, AS, ASTM, BS, DIN, ECCA, EN, NF

Dry Film Thickness – Mechanical



- Elcometer 211 Magnetic DFTG - Banana Gauge
- Ideal for hazardous and dangerous environments
- Can be used underwater
- Accuracy : $\pm 5\%$, Range : 0 to 1000 microns
- Conforms to ISO, AS, ASTM, BS, DIN, SSPC, NF

Dry Film Thickness - Software



- NEW ElcoMaster software – user friendly, **FREE**
- Create professional reports in seconds
- For PC and Mobile use – customised reports for all applications
- EDCS Plus – Coatings Management Software

Dry Film Thickness – Standards



- Elcometer 995 Coated Thickness Standards
- Elcometer 990 Calibration Foils / Shims
- Conforms to ISO and NBS – working foils also avail.
- Accuracy : 1%, 2% or 3%, Range : 12 to 5000mic
- Used in the laboratory and on site
- Ideal method for accurately calibrating a DFTG unit

Wet Film Thickness



- Elcometer 112, 115, 3236, 3238, 154, 3230
- Quick, easy method of measuring coating thickness
- Plastic, Aluminium or Stainless Steel Combs, Wheels
- 2, 4 or 6 sided combs or high accuracy wheels
- Conforms to ISO. Range 25 to 3000 microns
- Also Elcometer 155 Uncured Powder Comb

Concrete Testing

Concrete Covermeters



- Elcometer 331 Basic, Standard, Top, Kolectric 8020
- Rebar detection, orientation, depth, diameter
- Also potential for corrosion with new Half Cell
- Download readings to PC, Conforms to ISO
- Accuracy : ± 1 mm, Range : 0 to 180mm
- Borehole Tendon Duct available for multiple layers

Concrete Adhesion



- Elcometer 106/6 Adhesion Tester - specifically designed to measure Coatings on Concrete
- Special 50mm diameter dollies
- Fully portable in foam lined Case – ideal for site tests
- Hand operated - no power supply required
- Range : 0 to 3.5MPa

Concrete Hardness / Test Hammer



- Low Cost HT225A Concrete Compression Test Hammer / (Schmidt equivalent) – with certification
- Elcometer 181 Mechanical, 182 Digital Test Hammer
- Non destructive method of testing concrete on site

Concrete Thickness Meter / Concrete Moisture



- TC300 - measures the thickness of concrete, rock, glass & other nonmetallic plate, incl Memory & RS232
- Moisture Meters: specifically for Concrete & Concrete Screeds. Measures in critical 0 to 6% moisture range

Concrete Rebar Locators



- Elcometer P100, P120, Low Cost MT6
- Identify the location and orientation of the rebars
- Detection Depth : up to 152cm
- Indication of Depth as well
- For Ferrous and Non Ferrous Metals

Concrete Ultrasonic Flaw Detection



- V-Meter, Vu-Con Concrete Ultrasonic Flaw Detectors are advanced ultrasonic, pulse-velocity test systems
- Identify non-homogeneous conditions such as voids, cracks, honeycombs and frozen concrete
- Conforms to ASTM C-597

Coating Physical Test Equipment

Balances



- Elcometer 8720 KB Balance
- Low cost easy to use. Range 0 – 10100g
- Complete with 20 user programmable options
- Elcometer 8721 Analytical Balance
- Stable, robust balance with Metal Casing
- Range : 0 -220g, Reproducibility : 0.001g

Drying Time Testers



- Elcometer 5500 Circular Ball Drying Time Recorder
- Elcometer 5300 Linear Drying Time Recorder
- The drying time is evaluated from the condition of the trace, and measured with a template with time markings
- Elcometer 5100 Payne Permeability Cups

Film Application & Test Charts



- Elcometer 3520 Baker Film Applicators, 4360 Spiral Bar Coaters / Draw Down Bars
- Also Motorised with Vacuum Tables, Doctor Blade, Cube Film Applicator, Multiple Gap, with reservoirs
- Wide range of thicknesses and widths
- Leneta / Opacity Test Charts – full range available

Flash Point Determination



- Elcometer 6910 Setaflash Series 3 Closed Cup Test
- Offers the fastest and most accurate flash point test at a cost effective price
- Elcometer 6910 Setaflash Series 3 Open Cup Test - similar to 6910/1 but allows user to determine flash
- Conforms to ISO, ASTM, BS

Paint Mixers



- Elcometer 7951 Minimix Paint Mixer - very effective for mixing & blending pigments & additives in a coating
- 5 litre capacity & overall size of 55 x 58 x 75cm
- Fast Shaker, Manual Gyroscopic and Full Automatic Clamping & Rotating Mixer – 20 litres
- Also Manual Paint Dispensers – 12 or 16 canisters

Ultrasonic Distance Meters



- Calculated 3300, Sonin 10045, Sonin 10075
- Accuracy: 99.5%, Range: 0 to 18m
- Computes areas and volumes, with Laser pointer
- Used by : Real Estate Agents / Brokers, Contractors / Builders, Interior Designers, Re-modelers, Estimators, Do-It-Yourselfers

Distance Measuring Wheels



- New Digital 5500E Measuremeter
- Large Easy to read Digital Display
- Range : 10000m, Accuracy : ±1%
- Push button reset, 3 Year Guarantee
- Other options and wheel sizes available

Glossmeters



- Rhopoint Novo Gloss Lite – 20, 60° small, easy to use, statistics & software, menu driven
- Rhopoint Novo Gloss Trio – new Triple Angle 20, 60, 85° easy to use gauge with statistics & software, menu driven, in excess of 15000 readings
- Conforms to ISO, AS, ASTM, BS. 2 year guarantee

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

Density



- Elcometer 1800 Densimeter / Picnometer / Specific Gravity Cup – 50cc or 100cc
- Stainless steel or anodised aluminium precision instrument for determining the specific weight of paints and similar products, Optional Certificate
- Conforms to ISO, ASTM, DIN, FTMS, NFT, NBNT

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 2000 Muller, 2020, 2041 Hegman, North, PCU, NPIRI, Grindometer, Meier Gauge
- 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

Hardness - Coatings



- Elcometer 3080, 511 Pencil Hardness Tester
- Elcometer 3086 Motorised Pencil Hardness tester
- Elcometer 3092 Sclerometer, 3000 Clemen
- Elcometer Persoz & Konig Pendulum Hardness
- All for testing Hardness & Scratch resistance
- Conforms to ISO, AS, ASTM, DIN, ECCA, EN, NF

Washability, Brushability & Abrasion



- Elcometer 1720 Abrasion, Scrubbing, Washability Tester and 1730 Car Wash Simulator
- To test paint, lacquers, inks, coatings & much more
- Elcometer Taber 5700 Linear Abraser and 5135 & 5155 Abrasers – regarded as the industry standard
- Also 1700 Falling Sand Tester
- Conforms to ISO, AS, ASTM, DIN, EN, GME, PSA

Distance

Laser Distance Meters



- Leica Disto Laser Distance : D2, D3, D5, D8
- Accuracy: ±1mm, Range: 0 to 60, 100 & 200m
- Measures heights using Pythagoras function
- D8 has Bluetooth technology for downloading to PC
- Shortcut keys for addition, subtraction, area, volume
- Digital Pointfinder (4x zoom), large 2.4" color display

Plan / Map Measuring Wheels



- Scale Master Classic & II Plan / Map Measurer - Portable, Digital take-off tools- 72 / 91 Built-in Scales
- Scale Master II 6215 Plan / Map Measurer and optional Interface Kit for downloading to PC
- Construction Estimators, Contractors or anyone who works with Blueprints

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

Colour



- Elcometer 6210 RAL Colour reference charts
- Elcometer 6300 Colour Cabinet - view samples to maintain colour consistency and quality
- Elcometer 6075 Spectrophotometers give fast, precise, accurate colour measurement info
- Conforms to ISO, AS, ASTM, BS, SAE, TAPPI, NF

Hardness

Hardness of Metals



- TH130, TH134, TH154, TH170 Integrated Portable Hardness Testers are advanced hardness testers
- Very compact size, high accuracy, wide measuring range and simplicity of operation with Digital readout
- Proceq Equotip 3, Piccolo, Bambino Portable Hardness Testers, manufactured in Switzerland

Concrete Hardness / Test Hammer



- Low Cost HT225A Concrete Compression Test Hammer / (Schmidt equivalent) – with certification
- Elcometer 181 Mechanical Hardness Tester
- Elcometer 182 Digital Concrete Hardness Test with facility to download
- Non destructive method of testing Concrete

Hardness of Non Metals



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

Hardness - Coatings



- Elcometer 3080, 511 Pencil Hardness Tester
- Elcometer 3086 Motorised Pencil Hardness tester
- Elcometer 3092 Sclerometer, 3000 Clemen Unit
- Elcometer Persoz & Konig Pendulum Hardness
- All for testing Hardness & Scratch resistance
- Conforms to ISO, AS, ASTM, DIN, EN, GME, PSA

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

Magnifiers & Microscopes



- 139 Illuminated Pocket Microscope – 30 to 100x
- Elcometer 131 Inspection Mirrors
- 137 Illuminated Magnifier
- 7210 / 7220 Microscope with Reticules/ Graduations
- 900 Concrete Crack Microscope
- Various magnification and ranges

Fibrescopes / Interscopes/ Endoscopes



- Fibrescope Internal Inspection Tool / Internal Bore Viewer – diagnose & repair inaccessible problems
- Powerful halogen lamp, Can connect to a Camera
- Diameter: 6 / 10mm Length: 450, 900 up to 2240mm
- 2 & 4 way articulating Fibrescope also available

Inspectors Accessories - Other



- Elcometer 132 Torch / Flashlight – Intrinsically safe
- Elcometer 143 Crack Width Ruler – simple low cost
- Elcometer Galvanising Calculator – convert thickness of zinc coating into weight per unit area
- Pocket Real Estate Master calculator
- Elcometer 147 Weld Gauge

Laboratory Instruments

Minimum Film Forming Temperature Bar (MFFTBar)



- Measures the minimum film forming temperature of water based materials.
- Also called Temperature Gradient Bar
- Used in industries such as foods, cosmetics, confectionery, wrapping papers, adhesives
- Complies with ISO 2115 and ASTM 2354

Oven Temperature Logger



- 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

Hanatek FT3 Precision Thickness Gauge



- Hanatek FT3 Precision Thickness Gauge - specifically designed to quickly and accurately measure the thickness of a variety of substrates including film, paper, board, foil, tissue and textiles
- Accuracy : 0.4 microns, Resolution : 0.1 micron
- Range: 0-4000µm, Touch screen operation & set up
- Manufacture consistent products, Reduce waste, Reduce downtime, Statistical analysis of batches

Hanatek AFT Advanced Friction tester



- Hanatek Advanced Friction tester - comprehensive tool for measuring the coefficient of friction of plastic film, printed cartons, packaging substrates or paper
- Static and Dynamic, 'T' Peel Test, 90/180° Peel Test, Tear Strength Test, Blocking Tests
- Also : Crease & Board Stiffness, Shrink Tester, Rub Tester, Melt Flow Indexer (MFI)

Measuring Instruments

Anemometer / Hand Tally Counter



- 8901, 8910 Anemometer / Air Flow / Velocity / Air Speed Meter – Separate & Integral Vanes
- Accuracy : 2%, 0.6°C. Resolution : 0.01ms, 0.1°C
- Range : 0.4 to 35 ms, -10 to 50°C
- 4 digit electronic Hand Tally with a large LCD
- Add and subtract counts – unique feature

Levels



- Digital Inclinometer 360° Angle Gauge Module measures Angles in Degrees or Slopes in %
- Various lengths from 250mm to 1 metre
- Portalevel Digital Liquid Level Indicator for single skinned metal cylinders eg fire-extinguishers, tanks
- Also Portamarine for Marine applications

Sound Level Meter / Tachometer



- 8921, 8925 Digital Sound Level Meter
- Background noise absorber filters ambient sounds, min & max record RS232 option – 30 to 130dB
- 8000 Non Contact and 8001 Contact Tachometer
- Simple and easy to use and read, low cost
- Range: 10 to 99999 Rpm Accuracy: 0.04% ±2dgt5

Vibration



- TV110 Vibration Tester – ideal low cost instrument - preventative maintenance
- TV200 and TV260 Portable Pen Type Vibration Tester – ideal for quick test of bearings and gears
- TV300 Portable Vibration Tester with full graphic LCD & Spectrum Analysis, 3 display modes, RS232 to PC

Metal Detection / Locators

Rebar Locators and Covermeters



- Elcometer 331, Kolectric 8020 Concrete CoverMeter
- Allows identification of location, orientation, depth and diameter of rebar & the potential for corrosion
- Elcometer P130 Rebar and Wall Tie Locator
- Elcometer P100, P120 & P150 Rebar Locator
- Conforms to ISO, AS, ASTM, BS, DIN, TR, UNI

Industrial Metal Detectors



- Elcometer P500 Imp Box locator. Depth : 1 metre
- Elcometer P520 Deep Cover Metal Detector : 1.2m
- Elcometer P610 Timber Metal Detector: 33 to 61mm
- All simple to use and very rugged
- Detects Manholes, Valve Boxes, Stakes, Nails

Building Materials



- Surveymaster Moisture Meter is a Digital dual mode unit - Search and 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
- Trident T-90 Moisture Meter for Aggregates / Sand
- Moisture Measurement System (MMS) Dampness Diagnosis Kit – Dual Mode with Hygrometer, RS232

Paper / Cardboard



- DM4A Moisture Meter - digital non destructive universal moisture meter for measuring moisture in paper, cardboards, also wood, building materials
- Range: 0-50% (adjust.) Resol: 0.1%. Depth: 30mm
- Also RS232 Output to PC

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

Pinhole / Porosity Detection

Wall Tie and Stud Locators



- Elcometer P130 Wall Tie and Stud Locator
- Elcometer P150 Rebar and Wall Tie Locator
- MT6 Metal Locator / Detector finds nonferrous & ferrous metal. Depth : 152mm & indication of depth
- MultiScanner Pro SL Stud Locator

Pipe and Cable Locator



- Subsite 250 Receiver & Transmitter Pipe & Cable Locator & Cable Avoidance Tool – up to 4.5m deep
- Subsite 950 R & T for tracing specific services
- Sondes / Beacons for Non Metallic Pipes
- Elcometer P700 Live Cable Locator (PaceTrace) 5m

Moisture

Wood



- MRH Digital Moisture Meter - Non-Destructive meter
- Specific Gravity Adj. 0.3 to 0.8 for most wood species
- Range : 3% to 40%. Resolution: 0.1%. Depth : 30mm
- Timbermaster Digital Mini Moisture Meter is a simple to use digital pin type moisture meter : 6 to 99.9%

Concrete



- 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
- CRH Moisture Content and RH Meter for Flooring

Agriculture



- Grainmaster "i" Moisture Meter - Grinder - repeatable
- Pre-programmed 15 crop calibrations, 1 year warranty
- Accurate, fast, reliable, repeatable moisture readings
- Digital Balemaster Moisture Meter with probe

Paper / Cardboard

Pinhole / Porosity Detection

Spark / Holiday



- Elcometer 266 High Voltage Holiday Detector
- 3 ranges : 0 to 5, 15 or 30kV, extra safety features
- Accessories for various applications- rolling springs for external pipeline inspection, extension handle
- Conforms to ISO, ANSI, AS, ASTM, BS, JIS, NACE

Surface Preparation

Surface Profiles – Blasted / Machined / Roughness



- Elcometer 123 Analogue Surface Profile Gauge
- Elcometer 224 Digital Std, Top – bluetooth
- Elcometer 122 Testex Tape & 124 Dial Gauge
- Elcometer 125 Comparators, 119 Pipe Pit Gauge
- TR100 / 200 Portable Digital Machined Roughness
- Elcometer Rubert, Rugotest & Surftest

Surface Cleanliness



- Soluble Salt Meter SSM – easy use, no consumables
- Elcometer 130 SCM400 Salt Contamination Meter
- Elcometer 138 Bresle Kit & Elco 135 Bresle Patches
- Elcometer 134 CSN- Chlorides, Sulphates & Nitrates
- Elcometer 128 Pictorial Surface Stds, Amine Blush
- Elcometer 142 Dust Tape Test Kit to ISO 8502-3

Ultrasonic Wall Thickness

Low Cost popular models



- TT100, 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, also RS232 capabilities
- High Temp probes available

Elcometer Range



- Elcometer 204, 205, 206 Ultrasonic Thickness Gauge
- The DL version can download readings to a PC
- Accuracy : ±0.01mm. Range : 0.63 – 500mm
- Resolution : ±0.01mm
- Elcometer 207 is ideal for thin materials
- Elcometer 208 for measuring through a coating

Viscosity and Consistency

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

Rotational Viscometers



- Elcometer 2300 range of rotational viscometers
- For low to high velocity - Select speeds, Temp. probe
- Accurate, easy to use and reliable with quick connect spindles, also RS232 to ViscosityMaster™ software
- Krebs Stormer – automatically calculates viscosity

