

# ElcoMaster® the complete solution to your instant professional reporting needs that will set you apart from your competition – it can't be easier!

ElcoMaster® is a fast, intuitive, easy to use software and mobile app for all your data management, reporting and quality assurance needs. It's not just taking measurements but what you do with the collected data that matters. As inspectors can spend up to 30%, more in many cases, of their working week producing reports, ElcoMaster® saves time and money by producing professional bespoke reports in seconds - even when out on site. ElcoMaster® is your data storage and reporting solution that will set you apart from your competition.

Coating inspection regimes require data to be collected on many of the parameters of the coating process like surface profile, surface cleanliness, climatic conditions, film thickness, adhesion and appearance. All of these inspection regimes generate a large amount of data. Elcometer have designed a series of data management software packages that will link directly with the data collection devices (gauges) and instantly produce professional reports, offering full traceability of the inspection proving compliance to the relevant standard being followed. Our free software package, ElcoMaster® is the most flexible data management software on the market. Designed to meet the demanding needs of the quality inspector whilst offering the ultimate flexibility for managing data into 'projects' for ease of use. Producing professional reports is easily achieved using the standard report templates within the software package or by using the customisation options to produce customer specific reports from customer specific templates. Making full use of data transfer technology – Bluetooth® and Cloud applications, Elcometer provides fast and efficient means of transferring and sharing data and allows fully comprehensive project reports to be generated. Any document (even hand-written notes) can be scanned, converted to .pdf and then stored in the project file within ElcoMaster®. For those users wanting to transfer data into other software applications ElcoMaster® can be configured to export data directly, there is no need to use

the data management aspect of the software. As with Elcometer's gauges, this software is dynamic, in that Elcometer are always adding new features as their customers require them. Updates to the software are freely available over the internet and it is also possible to upgrade Elcometer inspection gauges when they are connected to ElcoMaster®. ElcoMaster® and ElcoMaster® Mobile are the complete solution for all your needs.

Whether it be Surface Profile, Salt Contamination, Climatic Conditions, Coating Thickness, Adhesion Testing or Gloss Measurement, ElcoMaster® import and combine measurements via Bluetooth® or USB from a full range of Elcometer gauges. There is no need to learn different software for different gauges, all Elcometer products use the same expert platform. Data can be stored in a simple file tree, by project and by inspection type, with easy on screen analysis with histograms, statistics, measurements, limits, notes, diagrams and photographs.

Data can easily be exported directly to Microsoft Excel. csv. txt. formats, etc to save time and prevent keying in errors. ElcoMaster® generates reports instantly using standard or pre-designed templates in seconds. No need for data manipulation. Simply connect the gauge, download data and drag & drop, and you can combine multiple inspection parameters (such as DFT, profile, salt, climate, adhesion and gloss) together with images, notes and other project specific information in bespoke quality reports to set you apart from the competition. In many industries multiple sites/locations/production lines are used to fabricate the product components which are brought together at the final assembly line. Different inspection parameters all need to be combined to approve the final product. Using Cloud technology ElcoMaster® gives you real time quality control monitoring inspection projects in any location.



# Quality Control Instrumentation



BAMR supplies instruments in the Coating, Corrosion & Allied Industries since 1946

[www.bamr.co.za](http://www.bamr.co.za)

Tel: +27 (21) 683 2100

[sales@bamr.co.za](mailto:sales@bamr.co.za)

## elcometer®



### Elcometer Digital Inspection Kits

These digital inspection kits have been specifically designed to undertake the three principal inspection requirements in the Protective and Industrial Coatings Industry- **dry film thickness, surface profile & climate.**

#### Includes:

**Elcometer 456 Coating Thickness Gauge**

**Elcometer 224 Digital Surface Profile Gauge**

**Elcometer 319 Dewpoint Meter**

The paint process is usually spread over different areas so you can be logging climate readings, taking dry film thickness measurements and a colleague can be measuring surface profile, all at the same time.

Ideal for 'paperless' quality assurance systems the kits come complete with ElcoMaster® Data Management Software for professional reporting and analysis.

Four inspection kits are available (Basic F & FNF & Top F & FNF) to meet your specific needs.



#### Elcometer 456

**Easy** - Large buttons ideal for gloved hands - easy connection to ElcoMaster®

**Accurate** - Thickness measurement capability to  $\pm 1\%$  - uses very accurate *Ferro Magnetic Induction Principle*

**Reliable** - Repeatable & reproducible - in 3rd party tests, best in the world

**Rugged** - Sealed, heavy duty and impact resistant

**Efficient** - Fast reading rate of 70+ per minute, 140+ per minute with Scan Probe - fastest on the market

**Powerful** - Wide range of interchangeable probes including revolutionary scan probe



#### Elcometer 224

**User Friendly** - Large buttons ideal for gloved hands

**Accurate** - Measurement capability to  $\pm 5\%$

**Reliable** - Repeatable and reproducible measurements

**Tough** - Sealed, heavy duty and impact resistant

**Efficient** - Fast reading rate of 50+ per minute - also on curved surfaces

**Powerful** - User replaceable tough tungsten carbide tip - can be used for up to 20,000 readings

**Versatile** - Data can be downloaded to a PC via USB or Bluetooth®



#### Elcometer 319

**Accurate** - Meets ISO 8502-4

**Simple** - Easy menu-driven user interface in multiple languages

**Flexible** - The gauge can be used as either a hand-held dewpoint meter or as a remote data logging monitor

**Durable** - Safe use in climates ranging between  $-20^{\circ}\text{C}$  and  $+80^{\circ}\text{C}$

**Versatile** - Rapid response time, data can be downloaded to a PC via USB or Bluetooth® and evaluated using ElcoMaster® Software



The ElcoMaster® Mobile App brings the office to where you are. You can connect Elcometer Bluetooth® enabled inspection gauges directly to iPhone, iPad and iPods or Android™ mobile phones and tablets via ElcoMaster® Mobile App.

When out in the field or on site, you can review data instantly using our free ElcoMaster® Mobile App which supports a live reading function. Simply press 'Generate PDF' and watch the ElcoMaster® App produce a professional report instantly. You can email the report to your client seconds after you have finished inspecting, or upload it via cloud technology, so it can be accessed anywhere in the world.

With data transferred to mobile devices whilst out in the field, the Elcometer gauge does not have to be returned to the office for data download. Inspection work can continue without interruption.

ElcoMaster® Mobile App shares many features of ElcoMaster® for PC like download batches from Elcometer, Bluetooth® enabled gauges, add notes, photographs and diagrams, Pdf. and email reports, using the phone's GPS feature (add this data to batch files), use collection batch measurement location, and points on photos or images to indicate to users where each measurement needs to be taken. Readings can also be linked live to a mobile device so readings are stored on the device as you take them.

ElcoMaster® Data Management Software is easy to connect, using ElcoMaster's® gauge wizard. Connecting a gauge & downloading data (via Bluetooth® or USB) is fast and easy. Both packages provide

one standard platform for all gauges. Data is organised in to Projects/ Folders/Batches – all details of the batch readings can be seen. Reports are generated as PDF or editable ElcoMaster® Files, and Customer specific report formats are widely used. Simply import existing reports by scanning your report into ElcoMaster® and drag & drop all your data where you want it, save and print. A variety of reports can be produced, from a one-page summary, to a full multi-page Project Report. You can export, print or send .pdf or email directly from ElcoMaster® at the click of a button, and you have multi-site access through secure cloud computing. Data can be stored on Cloud, Server, Host Unit and Email.

Real time collaboration for multi-site projects is key when working with manufacturers of sub-assemblies across the globe. ElcoMaster® can collate all inspection data from each site, assembly line and project into one shared location. Contractors can then, accept or reject parts before shipment from sub-assembly plants. They can Combine all data from sub assembly and final assembly inspection to generate Project Inspection Reports for quality management, both during the project and after completion of the project. Contractors can have real time in progress visibility across the whole project, no matter where the sub-assembly manufacturing is in the world, and have multi-site collaboration, real time dialogue and decision making to improve efficiency and quality throughout the production process. Featuring instant messaging the ElcoMaster™ Mobile App lets you add messages to inspection data, projects and files, allowing you to immediately discuss key points with your colleagues, managers or clients, send work instructions and store messages within the project file, thus giving you real time communication. ElcoMaster® allows you to decide which Cloud service provider to use. It is your data, it is secure as only approved users can have access, no third parties can see your data. ElcoMaster® Mobile App is compatible with a range of cloud service providers and FTP servers including: Google Drive, FPT Server and Dropbox.

Future plans for ElcoMaster® include Bespoke Report Format, Two way communications with Gauge and Bespoke Customer Specific Packages. Elcometer is also able to generate your own customer specific templates.

**How to get started:** You can download ElcoMaster® FREE from [www.elcometer.com](http://www.elcometer.com), and the ElcoMaster® Mobile from Android and Apple Play Stores have been available since April 2017.

