elcometer®

Elcometer 480

Create instant reports with ElcoMaster®

What you do with the collected data is just as important as taking the readings themselves.

PDF

Email

Cloud

Dropbox | **Google Drive** | **FTP server**

USB

Bluetooth®

ElcoMaster® is a fast, easy to use software solution for all your data management and quality assurance needs, preparing professional inspection reports at the click of a button.

Data transferred to ElcoMaster® includes;
- 20° 60° & 85° Gloss Units (GU)
- Haze Unit (HU)
- % Reflectance (%)
- Date & time of each reading
- Limit Standard values
- Batch information & statistics
- Calibration information including date/time, serial number & tile values

Whether you are in the field or on the factory floor, using the ElcoMaster® Mobile App users can;
- Store live readings directly on to a mobile device and save them into batches
- View graphs in real-time whilst carrying out the inspection
- Add notes to individual batch reading
- Add photographs of the test surface to each individual batch reading at the click of a button
- Plot individual readings on to a location Map photograph or diagram via the mobile device's internal GPS
- Inspection data can be transferred from mobile to PC for further analysis and reporting
- Generate instant .pdf[1] report for submission

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Elcometer 480 **Glossmeters**

Product Features		■ Standard	□ Optional
		Model B	Model T
Measurement geometries		60°	60°, 20/60° or 20/60/85°*
Measurement units		GU	GU, HU† & %
Fast, accurate reading rate		■	■
Repeatable & reproducible measurements		■	■
Easy to use menu structure; *in 30+ languages*		■	■
Tough, impact, waterproof & dust resistant		■	■
Scratch & solvent resistant colour display; *2.4" (6cm) TFT*		■	■
Rotating display: *auto, 0°, 180°*		■	■
Ambient light sensor; *with adjustable auto brightness*		■	■
Data output			
USB live readings		■	■
USB batch download			■
Bluetooth®: *to PC, iOS or Android™ mobile devices*			■
USB & battery powered		■	■
Calibration Certificate		■	■
Manual gauge calibration		■	■
Auto gauge calibration; *via RFID tagging of integrated calibration tile#*			■
On screen statistics - *user selectable*			
Number of readings, Mean (average), Standard deviation,		■	■
Highest reading, Lowest reading, Range			■
Coefficient of variation,			■
Nominal value, High Limit value, Low Limit value			■
Number above high limit, Number below low limit			■
Measurement modes			
Standard Mode		■	■
Auto Repeat Mode; *programmable 10-180 readings per minute*			■
Scan Mode; *10 readings per second*			■
Differential Mode with Pass/ Fail mode;			■
Limit Standards; *up to 40 programmable standards*			■
Gauge & batch specific standard limits			■
Gauge memory 40,000 readings in up to 2,500 batches			■
Alpha-numeric batch names			■
Fixed batch size mode			■
Date and time stamp			■
Gauge auto diagnostics		■	■
Display modes; *user selectable*			
Readings; *gloss, % reflectance†, haze†*		■	■
Selected statistics		■	■
Live trend graph; *last 20 readings*			■
Scan bar			■
Readings & differential (with pass/fail)			■
Delete last reading		■	■
2 year extended warranty^		■	■

^The Elcometer 480 is extendable within 60 days from date of purchase, free of charge, to 2 years via www.elcometer.com
* Dependant on model   † Haze on Dual and Triple models only
# Radio Frequency Identification; European Patent Number: 2906904

elcometer®

Glossmeters

Technical Specification   C

Part Number	Description	Certificate
J480B-6	Elcometer 480 Model B 60° Glossmeter	•
J480T-6	Elcometer 480 Model T 60° Glossmeter	•
J480T-26	Elcometer 480 Model T 20/60° Glossmeter	•
J480T-268	Elcometer 480 Model T 20/60/85° Glossmeter	•
Display information	2.4" (6cm) QVGA colour TFT display, 320 x 240 pixels	
Power	USB (via PC) or 2 x AA batteries (~50,000 readings)	

	20°	60°	85°
Measurement Dimensions	20°: 10 x 10mm	60°: 8 x 16mm	85°: 4 x 55mm
Measurement Range	0 - 2,000GU	0 - 1,000GU	0 - 160GU
Repeatability	± 0.1GU (0 - 10GU); ±0.2GU (10 - 100GU); ±0.2%: 100 - 2000GU		
Reproducibility	± 0.2GU (0 - 10GU); ±0.5GU (10 - 100GU); ±0.5% 100 - 2000GU		
Resolution	Gloss: 0.1 GU (0 - 100GU); 1 GU (>100GU)		
	% Reflectance: 0.01% (0 - 10%); 0.1% (10 - 100%)		
	Haze: 0.1 HU (0 - 100HU); 1 HU (>100HU)		
Operating Temperature	-10°C to 50°C (14 to 122°F); Relative Humidity: 0 - 85%RH		
Dimensions (H x W x D)	68 x 155 x 50mm (2.68 x 6.10 x 1.97")		
Weight	534g (1lb 3oz) *[including batteries]*		
Packing List	Elcometer 480 Glossmeter, integrated calibration tile, calibration certificates for gauge & calibration tile, 2 x AA batteries, wrist strap, operating instructions, plastic carry case, ElcoMaster® software (Model T) and USB cable (Model T)		

Accessories

T48024798-LC	Low Gloss Calibration Tile	Nominal Value: 22GU at 60°	•
T48024798-MDC	Mid Gloss Calibration Tile	Nominal Value: 55GU at 60°	•
T48024798-HC	High Gloss Calibration Tile*	Nominal Value: 97GU at 60°	•
T48024798-MRC	Mirror Gloss Calibration Tile	Nominal Value: 1900GU at 20°	•
T48024798-SH	Soft Material Specimen Holder, complete with 3 sample trays		
T48025004	Soft Material Sample Trays (x3)		
T99923535	Gloss Tile Cleaning Cloth		
T99925002	USB Cable		

Each calibration tile is supplied within its own base unit to ensure measurement accuracy and repeatability

The soft material specimen holder is supplied with 3 sample trays - ideal for testing soft, powder or viscous materials

• Certificate supplied as standard.   * Supplied with gauge