elcometer
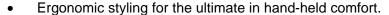
Elcometer 456 Coating Thickness Gauge

For precise measurement of coatings, the new Elcometer 456 heralds radical new advances in both design and performance.

- Ergonomic styling for the ultimate in hand-held comfort.
- Full, menu driven, graphics display for ease of use.
- Greater than 60 readings per minute for fast results.
- Enhanced memory capability for data storage.
- Unrivalled accuracy and repeatability for the ultimate hand held performance.
- Integral and plug-in separate probe options for total versatility.

Available in a choice of 3 models (Basic, Standard, Top) with a host of other carefully developed features and benefits, the Elcometer 456 really does place the future of coating thickness measurement in the palm of your hand.

Integral and separate probe
versions available

SPECIFICATION

Display:	STN Graphics (LCD), 128 x 64 pixels
Active Display Area:	19.8 x 39.6mm / 0.78" x 1.56"
Operating Temperature:	0 to 50°C, 32 to120^{o}F
Dimensions:	130 x 70 x 35mm / 5.12" x 2.76" x 1.38"
Weight (incl. dry batteries):	130g / 4.58oz
Measurement Speed:	>60 readings per minute
Battery Type:	2 x AAA (LR03), Rechargeable batteries can be used
Battery Life:	30 – 40 hours continuous use with alkaline dry batteries (15,000 – 20,000 readings at an average of 8 readings per minute)
Minimum Substrate Thickness:	300µm (12 mils) unless special calibration adjustment is made.

ELCOMETER 456 PROBE SPECIFICATIONS

SCALE	RANGE		PROBE DIAMETER
	Metric	**Imperial**	
F1	0 - 1500µm	0 - 60mils	10.5mm
F2	0 - 5mm	0 - 200mils	10.5mm
F1 2	0 - 5mm	0 - 200mils	10.5mm
F1 Mode	0 - 1500µm	0 - 60mils	
F2 Mode	0 - 5mm	0 - 200mils	
F3	0 - 13mm	0 - 500mils	20mm
N1	0 - 1500µm	0 - 60mils	10.5mm
FNF1	0 - 1500µm	0 - 60mils	11mm

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Certificate No.
0928060

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FEATURES

Description	Elcometer 456 Basic	Elcometer 456 Standard	Elcometer 456 Top
Menu Driven Display	•	•	•
On Screen Calibration Instructions	•	•	•
12 Languages	•	•	•
Backlight for measurement in dark areas	•	•	•
LED and Bleeper	•	•	•
Infra Red Data Output	•	•	•
Cable Data Output		•	•
Metric / Imperial Units	•	•	•
Calibration Options	•	•	•
Smooth	•	•	•
2-Point	•	•	•
Rough Surfaces	•	•	•
Special Substrate	•	•	•
Zero Offset Mode	•	•	•
Calibration Options (Predefined)		•	•
ISO		•	•
SSPC		•	•
Swedish		•	•
Australian		•	•
Statistics	•	•	•
Mean	•	•	•
Standard Deviation	•	•	•
Number of Readings	•	•	•
Highest & Lowest Reading	•	•	•
Coefficient of Variation	•	•	•
Readings Memory		250 in a single batch	40,000 in up to 999 batches
Immediate Data Output	•	•	•
Individual Readings Review		•	•
Individual Batch Calibration		•	•
Reading Limits (high & low warnings)		•	•
Batch Data Output		•	•
Free PC Software and PC Cable		•	•
Date and Time Stamp			•
Clock Alarm			•

- For more detailed specification information, please refer to the product literature.
- Separate and Integral Probe versions available.
- NEW PINIP™ (Plug In Integral Probe) transforms a separate probe into an integral unit for single handed operations

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