

Elcometer 456 Coating Thickness Gauge

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



Integral and separate probe versions available

- 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.

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 to 120°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

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