

Elcometer 205, 206 & 206DL Ultrasonic Thickness Gauge

The Elcometer 205, 206 & 206DL are hand-held ultrasonic thickness gauges that allow you to make reliable measurements or scan a length of material for defects, or for the thinnest point.

Each gauge comes with 3 calibration options: single point, 2 point and speed of sound selection - allowing accurate measurements on a wide range of materials. Compatible with a wide range of measurement transducers, these ultrasonic thickness gauges are available with or without memory and all come with a backlight for measuring in darkened environments. Transducers are supplied separately.



STANDARDS:
ASTM E 797, EN 15317

PE
Mode

Technical Specification

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Model	Elcometer 205	Elcometer 206	Elcometer 206DL
Part Number	C205----1	C206----1	C206DL----1
Scan Mode	■	■	■
Differential Mode		■	■
Alarm Mode		■	■
Data Output (Immediate)		■	■
Data Logging			1000 readings
ElcoMaster® Software			■
Certificate	●		●
Maximum Measurement Range	0.63 - 500mm (0.025 - 20") dependent on transducer and material		
Velocity Range	1250 - 10000m/s (0.0492 - 0.3930 in/μs)		
Accuracy & Resolution	Accuracy ¹ : ±0.1mm (0.004"); Resolution: 0.01mm (0.001")		
Units	Millimetres and Inches		
Operating Temperature	-30°C to 50°C (-20°F to 120°F)		
Keypad Type	Sealed Membrane		
Display	114mm (4½") Digit Liquid Crystal Display with backlight		
Battery Type (Life)	2 x AA batteries (200 hours)		
Weight	295g (10oz)	Dimensions	63 x 120 x 31mm (2.5 x 4.75 x 1.25")
Packing List	Elcometer 205 or 206DL gauge, bottle of couplant, 2 x batteries, carry case, calibration certificate and operating instructions. Elcometer 206DL: CD with ElcoMaster® software and data transfer cable		

● Calibration Certificate supplied as standard.

¹ Dependent on material and conditions

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Accessories

T92015701	Ultrasonic Couplant 120ml (4fl oz) Bottle
T92015701-5	Ultrasonic Couplant; 120ml (4fl oz), Pack of 5 Bottles
T92024034-7	Ultrasonic Couplant – 300ml (10fl oz) Bottle
T92024034-8	Ultrasonic Couplant – 500ml (17fl oz) Bottle
T92024034-3	Ultrasonic Couplant – 3.8l (1 US Gallon) Bottle
T92024034-9	High Temperature Ultrasonic Couplant; 398°C (750°F) – 60ml (2fl oz)
T92024034-10	High Temperature Couplant; 60ml (2fl oz), Pack of 2
T9205243-	Test Wedge: 2 - 25mm (0.07 - 0.98") in 6 Steps
T9205270-	Test Wedge: 30 - 100mm (1.18 - 3.93") in 8 Steps