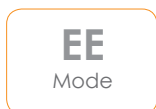


## Elcometer 207 Precision Ultrasonic Thickness Gauge

The Elcometer 207 series of Precision Ultrasonic Thickness Gauges is designed to provide accurate measurements on thin materials.

All Elcometer 207 and 207DL gauges have the special PLAS mode. This is specifically designed to provide accurate readings when measuring thin plastics.

Using the latest transducer designs, the Elcometer 207 gauges can accurately measure material thickness from 0.15 - 25.4mm (0.006-1") without the need to change the measurement mode.



**STANDARDS:**  
ASTM E 797, EN 15317

### Technical Specification C

Model	Elcometer 207	Elcometer 207DL	Certificate
Part Number	C207----1	C207DL----1	•
PLAS Mode*	■	■	
Scan & Differential Modes	■	■	
Alarm Mode	■	■	
Data Output (immediate)	■	■	
Data Logging (memory)		1000 readings	
ElcoMaster® Software		■	
Maximum Measurement Range	0.15 - 25.4mm (0.006 - 1")		
Velocity Range	1250 - 10000m/s (0.0492 - 0.3937 in/μs)		
Accuracy & Resolution	Accuracy <sup>1</sup> : ±0.02mm (0.0008"); Resolution: 0.002mm (0.0001")		
Units	Millimetres and Inches		
Operating Temperature	-30°C to 50°C (-20°F to 120°F)		
Transducer	Each unit is supplied with 15MHz, 6mm (¼") microdot right angle transducer		
Display	114mm (4½) Digit Liquid Crystal Display with backlight		
Battery Type (Life)	2 x AA 1.5V batteries (200 hours)		
Weight	295g (10oz)	Dimensions	63 x 120 x 31mm (2.5 x 4.5 x 1.24")
Packing List	Elcometer 207 or 207DL gauge, ultrasonic couplant, 2 x batteries, carry case, microdot transducer, calibration certificate and operating instructions. Elcometer 207DL: CD with ElcoMaster® software and data transfer cable		

### Accessories

T92016526	Precision Ultrasonic Transducer: Frequency 15.MHz, Crystal Diameter: 6.35mm (0.25"), Wearface Diameter: 7.42mm (0.3125"), Measurement Range in Steel: 0.15 - 25.4mm (0.006 - 1.0")
T92016871	Graphite Delay Line (for PLAS mode)
T92015701	Ultrasonic Couplant, 120ml (4fl oz) Bottle
T92015701-5	Ultrasonic Couplant; 120ml (4fl oz), Pack of 5 Bottles

\* To use the PLAS mode, a special Graphite delay line is required which must be ordered separately - see Accessories

• Calibration Certificate supplied as standard.

<sup>1</sup> Dependent on material and conditions