

# **elcometer® 205, 206 and 206DL** **Ultrasonic Thickness Gauges**



Elcometer offers a range of Ultrasonic Thickness Gauges effective for many applications.

These robust, hand held instruments are used for measuring the thickness of materials where access to only one side of the test piece is available, for example:

- \* Ships hulls
- \* Erosion in pipes
- \* Storage tank wall thickness
- \* Bottle and container walls

Many different materials can be measured such as steel, cast iron, plastic, epoxy resin and glass fibre

## Features

- Hand held and robust
- Comprehensive selection of transducers for different applications available
- Backlight display on all versions
- Data output available on 206 and 206DL versions
- Memory capacity of 1000 readings on 206DL version
- EDTS+ Excel® Link Software supplied free of charge with 206DL version

## Specifications

<b>Maximum Measurement Range:</b>	0.63 – 500mm (Dependent on transducer)
<b>Velocity Range:</b>	1250 – 10000m/s
<b>Accuracy:</b>	±0.01mm (Depends on material and conditions)
<b>Resolution:</b>	±0.01mm
<b>Operating Temperature:</b>	-20°C to 50°C
<b>Display:</b>	4 <sup>1</sup> / <sub>2</sub> Digit Liquid Crystal display with backlight
<b>Transducer:</b>	Select from Transducer Data Sheet
<b>Power:</b>	AA 1.5V Alkaline or 1.2V NiCad cell
<b>Battery Life:</b>	200 hrs Alkaline or 120hrs NiCad
<b>Units:</b>	mm and inches
<b>Weight:</b>	295g
<b>Size:</b>	63.5 x 120.6 x 31.75mm
<b>Case Type:</b>	Extruded aluminium
<b>Keypad Type:</b>	Sealed membrane

## Part Numbers

<b>C205----1</b>	<b>Elcometer 205 Ultrasonic Thickness Gauge</b>	A transducer must be purchased to be used with the ultrasonic gauge. Please select the appropriate transducer from the data sheet attached.
<b>C206----1</b>	<b>Elcometer 206 Ultrasonic Thickness Gauge</b>	
<b>C206DL----1</b>	<b>Elcometer 206DL Ultrasonic Thickness Gauge</b>	

### Shipping List:

*Elcometer 205 & 206*<sup>#</sup>: Main unit, ultrasonic couplant, batteries, carry case and instruction manual.

*Elcometer 206DL*: As above plus EDTS+ Excel® Link Software and data transfer cable.

<sup>#</sup> For the Elcometer 206, to allow data output to a computer, EDTS+ Excel® Link can be downloaded from our website free of charge however, a data transfer must be purchased separately (T92015684).



Elcometer offers a complete range of transducer probes, allowing you to select the most appropriate one for your application.

1. Select the measurement range

2. Choose the required material

3. Select the probe type

Note : Part Numbers in bold are Ex Stock UK

Measurement Range in steel (mm)	Material								Probe Type						Part Number (Bold & Highlighted are Ex Stock UK)	Frequency (Mhz)	Colour Code	Crystal Diameter (mm)	Wearface Diameter (mm)	
	Cast Iron	Plastic	Glass Fibre	Thin Glass Fibre	Steels	Glass	Thin Plastic	Aluminium	Potted	Straight Probe	Right Angle Probe	Microdot	High Temp. (650 deg C)	Extra Resolution						Exxon Specification
3.8-50.8	•	•	•					•	•							T92015620 T92015621 T92015622 T92015623	1	brown or yellow	12.7	15.88
1.5-101.6	•	•		•				•	•							T92015626 T92015627 T92015628 T92015629 T92015631 T92015632	2.25	red	6.35	9.53
1.5-127.0	•	•		•				•	•							T92015633 <b>T92015634</b> T92015635 T92015636 T92015637 T92015638	2.25	red	12.7	15.88
1.5-50.8					•	•	•	•	•							T92015641 T92015642 T92015644	5	green	4.76	6.35
1.02-152.4					•	•	•	•	•							T92015645 <b>T92015646</b> T92015647 T92015648 T92015655 T92015656	5	green	6.35	9.53
1.27-507.7					•	•	•	•	•							T92015657 <b>T92015658</b> T92015659 T92015660 T92015661 T92015662	2.25	green	12.7	15.88
1.02-152.4					•	•	•	•	•	•					•	T92015663 <b>T92015664</b> T92015665 T92015666	7.5	grey or silver	6.35	9.53
0.635-152.4					•	•	•	•	•	•					•	T92015667 <b>T92015668</b> T92015669 T92015670	7.5	blue	6.35	9.53
1.02-152.4					•			•	•							T92015671 T92015672 T92015673 T92015674	10	white	6.35	9.53
1.52-254.0					•			•	•							T92015676 T92015677 T92015678 T92015679	10	white	12.7	15.88

