

elcometer® 208 Ultrasonic Thickness Gauge



The Elcometer Model 208 and 208/DL are simple to use hand-held Ultrasonic Thickness Gauges with the capability to measure material thickness whilst eliminating the thickness of the coating (on metal substrates only).

- Ignores the coating thickness
- Hand held and robust
- Data output
- Backlight display
- EDTS⁺ Excel link software supplied free of charge with 208/DL for report generation and archiving.
- Compatible with EDCS⁺ Thickness Management Software - Optional.

Technical Specifications

Measurement Range:	0.63 - 500mm 2.54 - 25.4mm - in Echo-to-Echo Mode
Velocity Range:	1250 - 10000m/s
Accuracy:	± 0.01mm
Resolution:	0.01mm
Units:	millimetres and inches
Operating Temperature:	-20 to 50°C
Keypad type:	Sealed membrane
Display:	Digit Liquid Crystal Display with Backlight
Power:	AA 1.5V Alkaline or 1.2V NiCad cell
Weight:	295g (10oz)
Size:	63.5 x 120.6 x 31.75mm
Case:	Extruded aluminium

Features

Description	Elcometer 208	Elcometer 208DL
Echo-to-Echo Mode	●	●
High Speed Scan Mode	●	●
Alarm Mode	●	●
Data Output	●	●
Data Logging		●
EDTS ⁺ Excel Link	◇	●
EDCS ⁺ Software	◇	◇
Part Number	C208----1	C208DL----1

● Included ◇ Optional

Part Numbers

Accessories	5MHz High Damped Transducer - For steel applications	T92016967
	7.5 MHz High Damped Transducer - aluminium, stainless steel and titanium applications	T92016968
	Ultrasonic Couplant (160ml)	T92015701
	Test Wedge 2- 25mm	TX9205243-
	Test Wedge 30- 100mm	T9205270-

The Elcometer 208 and Elcometer 208/DL are not supplied with a transducer, please either select the specific Elcometer 208 transducer above or select from the Transducer Selection Table



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 T92015634 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 T92015646 T92015647 T92015648 T92015655 T92015656	5	green	6.35	9.53
1.27-507.7					•	•	•	•	•							T92015657 T92015658 T92015659 T92015660 T92015661 T92015662	2.25	green	12.7	15.88
1.02-152.4					•	•	•	•	•						•	T92015663 T92015664 T92015665 T92015666	7.5	grey or silver	6.35	9.53
0.635-152.4					•	•	•	•	•						•	T92015667 T92015668 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

