

elcometer[®] NDT CG10 and CG20 Corrosion Thickness Gauge



Product Description

The CG10 handheld corrosion thickness gauge is a fixed velocity gauge making it an affordable precision tool that requires no special training to operate. The CG10 ultrasonic gauge will hold a single, user programmable velocity. Pre-calibrated to steel, for immediate inspection, the CG10 is the ideal model where one material is being tested day after day.

Whilst the gauge is supplied ready to measure steel the velocity can be quickly changed using the simple software program which is supplied with each unit, allowing other materials to be measured.

The CG20 handheld corrosion thickness gauge is a fixed velocity gauge making it an affordable precision tool that requires no special training to operate.

The CG20 ultrasonic thickness gauge has two user programmable velocities and 8 pre-programmed velocities to measure the thickness of aluminium, steel, stainless steel, cast iron, plexiglass, PVC, polystyrene and polyurethane - making the CG20 an ideal model for the person who tests a few different materials regularly.

These small, lightweight, water resistant unit is easy to use and designed for the harshest environments.

Advantages

- Ready to use, straight from the box
- Ideal for basic thickness measurements
- Durable gauge and probe construction
- Large backlight LED display
- Tough, impact, water, dust & petroleum product resistant
- Up to 200 hours battery life



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Technical Specification

Model & Part Number	CG10	CG20
	Ultrasonic Corrosion Thickness Gauge	
Material thickness digits display		•
Measurement Mode		PE
Measurement Rate Manual		4 readings per second
Measuring Range		0.63 - 500mm
Measurement Accuracy		±0.01mm
Measurement Resolution		0.01mm
Velocity Calibration Range		1250 - 10,000m/s
Additional Features	1 programmable velocity, pre-calibrated for steel	2 user programmable & 8 pre-calibrated velocities for: aluminium, cast iron, plexiglass, polystyrene, polyurethane, PVC, stainless steel & steel
Transducer Probe Type		dual element
Transducer Frequency Range		1 - 10MHz
V-path / dual path error correction		automatic
Probe zero		manual (via integrated probe disk)
Display		12.7mm high digits
Units (selectable)		mm or inches
LED Backlight		on / off / auto
Repeatability / Stability Indicator		•
Battery Type		2 x AA alkaline
Battery Life (approximate)		200 hours
Low Battery Indicator		•
Battery Save Mode		auto
Operating Temperature		-30 to 50°C
Size (w x h x d)		63.5 x 114.3 x 31.5mm
Weight (including batteries)		284g
Aluminium case design with gasket sealed end caps, waterproof membrane keypad		•
Transducer Connector Type	LEMO	LEMO
RS232 Interface	for programming only	for programming only

Packing List

- Elcometer NDT CG10 gauge / Elcometer NDT CG20 gauge
- Couplant
- Carry Case
- User Manual
- Test Certificate
- 2 x AA Batteries
- Software
- Transfer Cable

CG10 Accessories

Cables & Adapters

TL-24030-6	T/Cable: 4' Dual Lemo to Lemo
TL-24030-7	T/Cable: 4' Dual Lemo to Microdot
TL-24030-9	T/Cable: 4' Dual Lemo to M/dot, HT Arm
TL-24031	RS232 Cable (6'); DB-9 to Lemo
TL-24032	USB to Serial Adapter

Couplant

TC-24034-1	Couplant: Standard; 4oz Bottle
TC-24034-2	Couplant: Standard; 12oz Bottle
TC-24034-3	Couplant: Standard; 1 Gallon
TC-24034-4	Couplant: Hi-Temp 343oC; 2oz Tube
TC-24034-5	Couplant: Hi-Temp 482oC; 2oz Tube

