

elcometer[®] NDT CG60 & CG60DL Corrosion Thickness Gauge



Product Description

Ideal for inspecting pipes, storage tanks and other metal structures, the CG60 & CG60DL feature both Pulse-Echo (PE) and Echo-Echo mode (EE) ThruPaint™ technology. Offering all the features and benefits of the CG50, the CG60 series is designed to ignore the coating thickness giving a true material thickness value.

Designed to ignore applied coatings up to 2mm thick on metal substrates, the CG60 is ideal for identifying internal corrosion that isn't visible due to the applied coating.

The CG60 & CG60DL also offer high speed scanning, taking 16 readings per second, making quick scanned passes over the test material. With the lowest thickness value held in memory and displayed when the scanning is complete.

Once a user defined nominal thickness value is set the differential mode will display the +/- thickness difference from the nominal value entered. The built-in minimal thickness alarm mode illuminates a red LED and an audible alarm sounds when a measurement falls below the user defined target value.

The CG60DL offers full data logging and storing of up to 1,000 readings. Complete with free data management software, readings can be directly downloaded into spreadsheets using the RS232 dataport, for full analysis and reporting.

Advantages

- Range of display & measurement options: Pulse-Echo, Echo-Echo ThruPaint™ technology
- Adjustable gain: -30dB to 70dB range
- Multiple calibration and material selection options
- High speed scan mode: 16 readings per second
- Differential and minimal thickness alarm modes
- Data output and storage: 1,000 readings and wave forms
- Data management software



Technical Specification

Model & Part Number	CG60	CG60DL
Material thickness digits display	•	•
Measurement Mode		PE & EE (ThruPaint™)
Measurement Rate :	Manual:	4 readings per second
	Scan	
	Mode:	16 readings per second
Measurement Range		PE: 0.63 - 500mm, EE: 2.54 - 25.4mm
Measurement Accuracy		±0.1mm
Measurement Resolution		0.01mm
Velocity Calibration Range		1250 - 10,000m/s
Additional Features:		
High Speed scan mode	•	•
Differential mode	•	•
Minimum thickness alarm mode	•	•
Data Logging		1,000 readings (10 batches of 100 readings)
Calibration Options		single, two point & velocity
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
RS232 Interface	•	•

Packing List

- Elcometer NDT CG60DL gauge / Elcometer NDT CG60DL gauge
- Couplant
- Carry Case
- User Manual
- Test Certificate
- 2 x AA Batteries
- Software, Transfer Cable (for Elcometer NDT CG60DL gauge unit only)

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

