

# CG2 SERIES

## ADVANCED THICKNESS GAUGES



CG2 Series gauges have a materials condition analyser and a BScan to generate real time graphic representations at speeds of up to 20Hz to inspect structures that may have defects such as corrosion or pitting.

They are ideal for measuring offshore structures, pipes, tanks, valves, pressure vessels, boilers, ship hulls, or any other material that is subject to corrosion and wear; even with coatings such as paint. They can also be used to measure the thickness of plastics.

### BENEFITS AND FEATURES

- + Measures Thru-Paint (no need to scrape)
- + Attenuation level indicator
- + Material condition analyser
- + Adjustable gain and trigger
- + High scan speeds of up to 20Hz
- + One point AUTO calibration (no Cal-key). Can also do a two point calibration.
- + On-screen materials velocity chart
- + Real time B-Scan graphics
- + Memory for 32000 + values
- + Connect to PC via USB or RS232 (optional)
- + High impact ABS enclosure with rubber sides
- + Touch-Sense front panel
- + Graphic LCD 128 x 64

### APPLICATIONS

- + Parts or Metal Structures with Coatings
- + Metallurgy and Auto Industries.
- + Maintenance in Refineries and Petrochemical Plants.
- + Ships and Transportation Industries.
- + Plastic Industry, Injection, Extrusion, Moulding.
- + Corrosion & Wall Thickness.
- + Ceramics.

# DATA ANALYSIS

Universal program (Data Center) for downloading and analysing data supports all CG2 Series instruments allowing data stored in the instrument memory to be transferred to a PC via USB.

With the tools in DataCenter you can download unit updates, analyse statistics, generate graphics, save and export values, and prepare custom reports.

# SPECIFICATION

<b>MEASURING:</b>	Full Range: 0.6 to 500mm Pulse-Echo Thru-Paint range: 2,5 to 25mm Echo-Echo Resolution: 0.01mm Velocity: 100 to 19999 m/s Units: Metric, inch and $\mu$ seconds
<b>CALIBRATION: DATA LOGGER:</b>	Mode: 1 point AUTO or 2 points Capacity: 32000 + Reading Organisation: Up to 8 files with names Internal Clock: Record date and time Capture Modes: Manual and automatic
<b>PC CONNECTIVITY</b>	Connection: USB or RS232 (optional cable) Updates / Upgrades: Unit software / Model
<b>FRONT PANEL:</b>	Type: Touch-Sense Sensitivity: Adjustable
<b>USER INTERFACE:</b>	Language: English, Spanish and Portuguese Navigation: Menus and Icons Personal ID: Personal data entry
<b>ELECTRONIC UNIT:</b>	Dimensions: 78 x 117 x 24 mm Weight: 180g with batteries Working Temp: -10°C to +50°C Enclosure: High impact ABS with rubber sides
<b>POWER SUPPLY:</b>	Batteries: 2 x AA 1,5v Battery Life: 100 hours w/backlight off Battery Indicator: Permanent Shutdown: Manual, Auto or Continuous
<b>DISPLAY:</b>	Digits Sizes: 12 and 17mm tall (Easy-view) Backlight: LED (ON, OFF, AUTO) Contrast: Digital and adjustable LCD: Graphic LCD 128 x 64 px

<b>TRANSDUCERS:</b>	Dual Crystal: Transmitter / Receiver Connector: Type Lemo 00 Frequency Range: 2 to 10MHz
<b>MODELS:</b>	2Mhz dia. 1/2": High attenuation 5Mhz dia. 10mm: General purpose 5Mhz HD dia. 1/4": For THRU-PAINT 7Mhz dia. 5mm: Thin materials or small parts Other: please enquire

Please note that this specification is subject to change without notice.

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