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DATA-SHEET

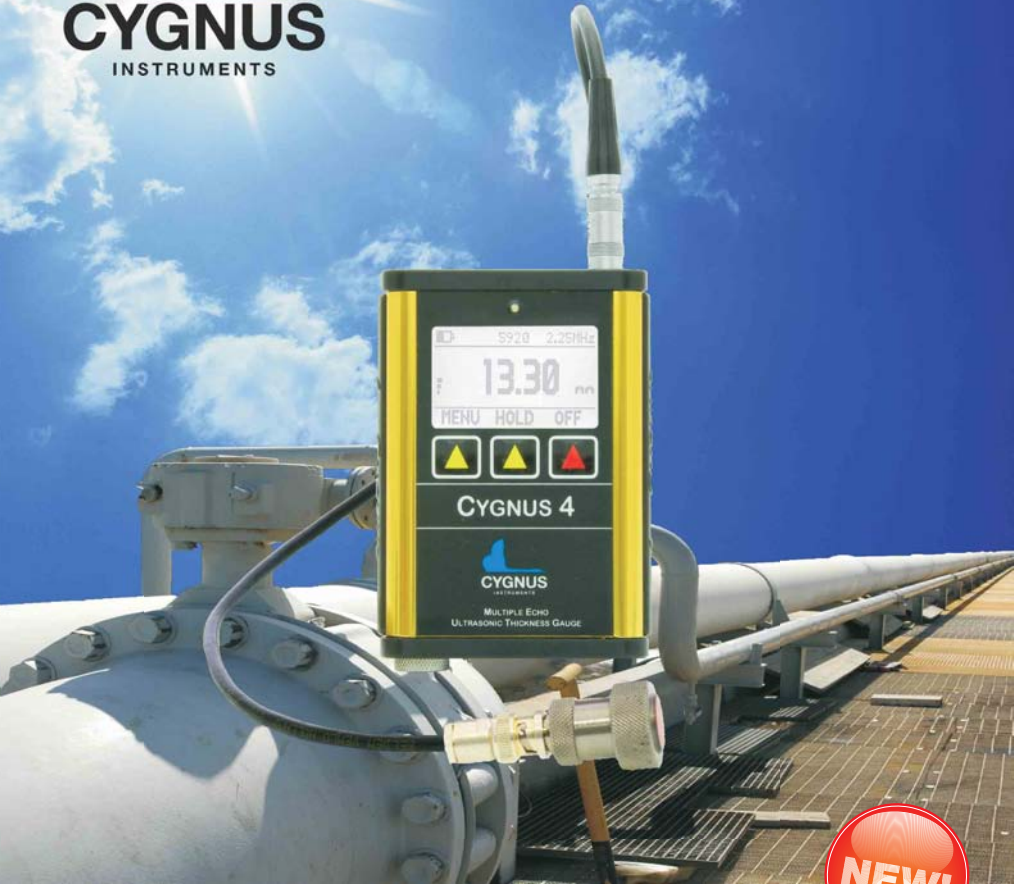


Nationwide Low Call
0333 6000 600

WHY BUY
WHEN YOU CAN HIRE



*With IP65 & IP67
rated protection*



Cygnus 4 General Purpose

MULTIPLE ECHO ULTRASONIC DIGITAL THICKNESS GAUGE

Measures metal thickness to determine wastage or corrosion – accurately, quickly and without removing protective coatings.



Primary New Features

- Light, rugged, small and shock-proof within IP65 & IP67 sealed aluminum enclosure
- Gauge senses probe type and automatically adjusts settings for optimum performance
- Valid thickness measurements and minimum thickness function
- LCD graphic display with automatic white backlight
- Cygnus Echo-Strength bars assist thickness measurements
- Simple gauge and menu operation with 3 tactile keys
- Protective silicone sleeve offers maximum protection and versatility
- Secure, twist-to-lock probe connection (BNC)
- Deep-Coat mode for coatings up to 20 mm thick

The new Cygnus 4 is the most versatile through coating thickness gauge available and perfect for all lighting conditions.

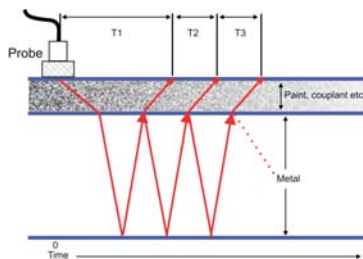
Lighter and simpler to use, yet accurate and very durable!

Ideal for use on flat surfaces or pipes. Our multiple echo single crystal probe technology means you can measure through thick coatings and only the remaining metal thickness is displayed.



Benefits of Cygnus Multiple Echo

- Measures remaining metal thickness on corroded and coated structures
- All measurements are error checked using 3 return echoes to give repeatable, reliable results
- Accepted by all major classification societies
- Greatly reduces inspection time and costs
- Echo strength indicator to aid measurement



With multiple echo, readings are taken by measuring the time delay between any three consecutive backwall echoes. The time of T1 (coating thickness) is ignored. The times of T2 and T3 are equal to the time that it takes to travel through the metal. Only by looking at three echoes can the measurements be automatically verified (where $T2 = T3$).



Applications

Maintenance and safety checks of metal thickness for:

- Ships
- Storage tanks
- Pipelines
- Bridges
- Street lighting columns
- LPG vessels
- Road transport tankers
- Offshore platforms
- Piers, jetties and pilings
- Processing vessels
- Cranes
- ...plus many more

Kit contents

Instrument, 2.25 MHz x 13 mm diameter probe, spare membranes, 15 mm steel test block, membrane couplant, ultrasonic couplant, accessory pouch, protective silicone sleeve with neck strap, operation manual, carry case and optional belt/harness clip.



Optional belt/harness clip

Specification

Materials	Sound velocities between 2000 m/s and 7000 m/s – covers virtually all common engineering materials
Range in steel	3 mm – 250 mm with 2.25 MHz probe 2 mm – 150 mm with 3.5 MHz probe 1 mm – 50 mm with 5 MHz probe
Accuracy	±0.1 mm or ±0.05 mm (selectable)
Resolution	0.1 mm or 0.05 mm (selectable)
Probes	Single crystal soft-faced compression. 6 mm – 5 MHz 13 mm – 2.25, 3.5 or 5 MHz 19 mm – 2.25 MHz <small>(Lower frequency probes offer better penetration on heavy corrosion/coatings)</small>
Power	2 x 'AA' alkaline batteries or rechargeable NIMH / NiCD
Battery life	30 hours' continuous operation with alkaline batteries (backlight on)
Display	Large liquid crystal display with white backlight - automatically turns off in bright light conditions
Size	85 mm x 115 mm x 25 mm
Weight	275 g (inc batteries)
Operating Temp	-10°C to +50°C
Environmental Protection	IP65 & IP67
Compliance	CE, British Standard BS EN 15317:2007 <small>(Specification for the characterisation and verification of ultrasonic thickness measuring equipment)</small>
Environmental	RoHS, WEEE compliant

Specifications are subject to change for product improvement

For more products
please see our website
www.cygnus-instruments.com

Hands Free



Intrinsically safe



Underwater



Datalogger



Heavy Duty



ROV Mountable



Mini ROV



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A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

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We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

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Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

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5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

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