

CYGNUS 4

MULTIPLE ECHO ULTRASONIC DIGITAL THICKNESS GAUGE



GENERAL DESCRIPTION

Primary New Features

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



**Making
technology
work for you!**

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Accredited to BS EN ISO 9001:2000

CYGNUS 4

MULTIPLE ECHO

ULTRASONIC DIGITAL

THICKNESS GAUGE

TECHNICAL SPECIFICATIONS

Applications

Maintenance and safety checks of metal thickness for:

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

...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.

SPECIFICATIONS

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 (Lower frequency probes offer better penetration on heavy corrosion/coatings)
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
Compliance	CE, British Standard BS EN 15317:2007 (Specification for the characterisation and verification of ultrasonic thickness measuring equipment)
Environmental	RoHS, WEEE compliant



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