CYGNUS
INSTRUMENTS

RELIABLE ULTRASONIC MEASUREMENT





CYGNUS 4 GENERAL PURPOSE

ULTRASONIC THICKNESS GAUGE

MADE IN BRITAIN

The Cygnus 4 General Purpose thickness gauge uses the Multiple-Echo technique to accurately measure metal thickness without removing protective coatings. This compact gauge is light but tough and truly simple to use with its intuitive menu.

IDEAL FOR USE IN

- SHIPPING SURVEYS
- PLANT MAINTENANCE
- CIVIL ENGINEERING

...plant maintenance, civil engineering, oil and gas, storage tanks, shipping and marine inspections.





CYGNUS 4 GENERAL PURPOSE KEY FEATURES



- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies**
- **Deep Coat function ignores coatings up to 20mm thick**
- Min/Max measurement limit functions
- Visual and vibrate alert
- Simple, one-point calibration – no zeroing required
- Intuitive easy to use menu
- Large and bright front colour LCD display
- Extremely rugged enclosure - shock and impact proof to US MIL STD 810G
- Environmental sealing (water and dust proof) to IP67 – US MIL STD 810G
- Can be upgraded to 4+ or 6+ at an additional cost



MIN/MAX LIMIT AND ALERT FUNCTIONS



COMPATIBLE WITH SINGLE CRYSTAL PROBES



SHOCK/ IMPACT PROOF TO US MIL STD 810G



WATER & DUST TIGHT IP67 HOUSING

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Cygnus-Pioneered Multiple Echo Technique

Uses three return echoes to give a truly accurate, error-checked metal thickness measurement - ignoring coatings up to 20mm (0.8”). Accepted by all major Classification Societies.

Variety of Cygnus INOX Probes

Stainless steel SINGLE CRYSTAL probes - used in Multiple-Echo mode, these probes include replaceable membranes for long life, require no zeroing and have a high linear accuracy.

Durable Cables

Using standard industry connectors our probe leads offer superior flexibility and resistance to oils and ultraviolet light.

The cable will not stiffen after exposure to ultraviolet light.



Visit www.cygnus-instruments.com to explore our full product range

Call our team today on +44 (0) 1305 265 533 for expert product advice

CYGNUS 4 GENERAL PURPOSE **SPECIFICATION**

Feature	Description
Materials	Velocities from 1,000 - 9,000 m/s (0.0390 - 0.3543 in/us)
Accuracy	±0.05 mm (±0.002") - in Multiple-Echo measurement mode, when calibrated and measuring the same material as calibrated on.
Resolution	0.1 mm (0.005") or 0.05 mm (0.002")
Probe Options	Single crystal probes
Measurement Range in Steel	1 – 250mm (0.040 in. – 10 in.) depending on selected probe and configuration, material and temperature
Connector	2 x Lemo 00
Power	3 x AA / R6 batteries
Battery Life	Approx. 10 hours continuous measurement
Electronics	Dual channel pulser
Display	2.4" QVGA LCD, 47 mm (W) x 37 mm (H)
Size	84mm x 130mm x 35mm (W x H x D) (3.3" x 5.1" x 1.4")
Weight	300g (10.5 oz.) (inc. batteries)
Operating Temp.	-10°C to 50°C (14°F - 122°F)
Environmental Rating	IP67 MIL STD 810G Method 501.6 (high temp +55°C (131°F)) MIL STD 810G Method 502.6 (low temp -20°C (-4°F)) MIL STD 810G Method 507.6 (humidity 95%) MIL STD 810G Method 512.6 (immersion 1 metre for 30 mins)
Shock and Impact	MIL STD 810G Method 514.7 (vibration) MIL STD 810G Method 516.7 (shock 20g) MIL STD 810G Method 516.7 (transit drop 1.22 m)
Standards	Designed for BS EN ISO 16831
Compliance	CE, UKCA, RoHS
Warranty	3 years on gauge and 6 months on probe

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All information provided is subject to change without prior notice.

Cygnus Instruments Ltd.
Cygnus House
30 Prince of Wales Road
Dorchester
Dorset DT1 1PW
United Kingdom

Cygnus Headquarters

Call +44 (0) 1305 265 533
Email sales@cygnus-instruments.com
Visit cygnus-instruments.com

Cygnus USA

Call +1 (410) 267 9771
Email sales@cygnus-instruments.com
Visit us.cygnus-instruments.com

Cygnus UAE

Call +971 50 3459305
Email ribu@cygnus-instruments.com
Visit cygnus-instruments.com

Cygnus Singapore

Call +65 6252 5909
Email sales@cygnus-instruments.sg
Visit sg.cygnus-instruments.com