



CYGNUS 2 HANDS FREE ULTRASONIC THICKNESS GAUGE



The Cygnus 2 Hands-Free uses the Multiple-Echo technique to reliably measure metal thickness through coatings. The gauge is small and lightweight, yet very rugged and extremely simple to operate with its intuitive menu.

IDEAL FOR
USE IN



ROPE
ACCESS



SHIP
SURVEYS



COATED
METALS

...and structural integrity inspection via rope access or climbing



CYGNUS 2 HANDS-FREE KEY FEATURES



- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies.**
- **Hands free operation: wrist, waist belt and harness mountable**
- Deep Coat function ignores coatings up to 20mm thick
- Simple, one-point calibration – no zeroing required
- End-mounted rotatable LCD display for convenient hands-free operation
- Intuitive easy to use menu
- Extremely rugged enclosure - shock and impact proof to US MIL STD 810G
- Environmental sealing (water and dust proof) to IP67 – US MIL STD 810G



**SHOCK/
IMPACT
PROOF TO US
MIL STD 810G**



**WATER &
DUST
TIGHT IP67
HOUSING**



**END-
MOUNTED
ROTATABLE
LCD DISPLAY**



**USE WITH
SINGLE
CRYSTAL
PROBES**

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.

CYGNUS 2 HANDS-FREE 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	1 x Lemo 1S
Power	3 x AA / R6 batteries
Battery Life	10 hours continuous measurement
Electronics	Dual channel pulser
Display	End-mounted rotatable LCD, 25.58 mm (W) x 6.38 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 EN 15317
Compliance	CE, UKCA, RoHS
Warranty	3 years on gauge and 6 months on probe

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