



The **Cygnus 2 Hands Free** thickness gauge uses Multiple-Echo to reliably measure metal thickness through coatings (up to 20 mm thick (0.8")).

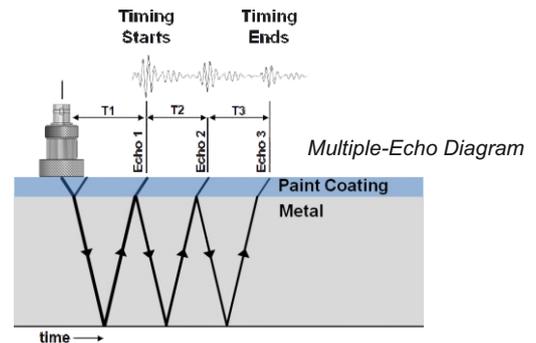
The gauge is lightweight, very tough and extremely simple to operate. It has an end-mounted display, as well as a wrist strap for hands free convenience, making it ideal for climbing and rope access.

KEY FEATURES

- Multiple-Echo, using single crystal probes, for reliable and accurate measurements as specified by Classification Societies
- Simple, one-point calibration
- End-mounted display for convenient hands-free operation
- Wrist-mountable
- Intuitive easy to use menu
- Shock and impact to US MIL STD 810G
- Environmental sealing (water and dust proof) to IP67 – US MIL STD 810G

THREE VERSATILE MEASURING MODES

Multiple-Echo (Single Crystal Probes) uses three error checked back wall echoes to provide the most reliable and accurate remaining thickness measurements, with no need to remove coating (up to 20 mm thick (0.8 inch)).



VARIETY OF PROBES

Cygnus Stainless Steel INOX Probes (Single Crystal) 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.

STANDARD KIT CONTENTS

Cygnus 2 ultrasonic thickness gauge; padded carry case; operating manual; adjustable neck strap and loops; wrist strap; accessory pouch; spare membranes; surface and membrane couplant; test block; 3 x AA batteries; mini USB - USB cable and instruction manual; optional Krusell® belt clip and attachments accessory.

Cygnus Instruments

MK5 Ultrasonic Thickness Gauge - Cygnus 2 Hands Free



SPECIFICATION

Gauge	Cygnus 2 Hands Free
Materials	Sound velocities from 1,000 - 9,000 m/s (0.0390 - 0.3543 in/us)
Accuracy	±0.1 mm (±0.004 inch) or 0.1% of thickness measurement, whichever is greatest, when calibrated in accordance with Cygnus Instruments calibration procedure
Resolution	0.1 mm (0.005 inch) or 0.05 mm (0.002 inch)
Probe Diameters and Frequencies	6 mm (0.25 inch) - 5 MHz (S5A) 13 mm (0.5 inch) - 2.25 MHz (S2C (standard)), 3.5 MHz (S3C) or 5 MHz (S5C) 19 mm (0.75 inch) - 2.25 MHz (S2D)
Measurement Range in Steel	1 - 250 mm (0.040 - 10.00 inch)
Connector	1 x Lemo 1
Power	3 x AA batteries
Battery Life	10 hours minimum
Electronics	Dual channel pulser
Display	End-mounted LCD (rotatable)
Display Info.	Thickness value
Size	132 x 82 x 34 mm (3.3 x 5.1 x 1.4 inch) (W x H x D)
Weight	300 grams (10.5 oz.) (inc. batteries)
Operating Temp.	-10°C to 55°C (14°F to 131°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 - 1 hour each axis) MIL STD 810G Method 516.7 (shock 20g - 11ms half sine shock pulse, 40g 11ms in each axis) MIL STD 810G Method 516.7 (26 drops - transit drop 1.22m)
Standards	Designed for EN 15317
Environmental	RoHS, WEEE compliant
Warranty	3 years on gauge and 6 months on probes

