



Cygnus Instruments

Cygnus 2 Hands Free Multiple Echo Ultrasonic Thickness Gauge

Pine Item #

DESCRIPTION:

This hand held, multi-echo ultrasonic thickness gauge measures metal thickness to determine wastage and/or corrosion. Accepted by the major classification societies and bodies, it is easy to use and has a lightweight, ergonomic design. A major feature of this instrument is that it does not require the removal of surface coatings to gather thickness measurement readings.

FEATURES:

- Multiple-Echo for reliable, accurate through coating measurements
- A NEW high durability LCD rotatable display for all lighting conditions
- Extremely rugged enclosure – shock and impact to MIL STD 810G
- Environment sealing to IP67 – MIL STD 810G
- Deep-coat mode – measures through coatings up to 20 mm thick
- Cygnus echo-strength bars assist thickness measurements
- TPE over molded enclosure
- Buttons designed for minimum of 100,000 depressions
- Fully sealed battery compartment (contains any leaking battery fluids).

**Contact a Pine branch near you to request a quote or place an order**

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Product Specifications

Materials	Sound velocities between 1000 m/s – 9000 m/s – covers virtually all common engineering materials
Accuracy	±0.1 mm or 0.1% of thickness measurement, whichever is greatest, when calibrated in accordance with Cygnus Instruments calibration procedure
Resolution	0.1 mm or 0.05 mm
Measurement Range in Steel	3 – 250 mm with 2.25 MHz probe (S2C/D) 2 – 150 mm with 3.5 MHz probe (S3C) 1 – 50 mm with 5.0 MHz probe (S5C/A)
Connector	1 x Lemo 1
Power	3 x AA batteries
Battery Life	10 hours minimum, continuously measuring
Electronics	Dual channel pulser
Display	End-mounted LCD (rotatable)
Size	132 x 82 x 34 mm
Weight	300 grams (inc. batteries)
Operating Temperature	-10°C to 50°C
Environmental Rating	IP67 (dust tight and immersion – 1 metre for 30 mins) MIL STD 810G Method 501.6 (high temp +55°C) MIL STD 810G Method 502.6 (low temp -20°C) 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 1.22 m)
Standards	Designed for EN 15317
Environmental	RoHS, WEEE compliant
Warranty	3 years on gauge and 6 months on probe



Video:
<https://youtu.be/3RQFefVSIIdg>



Local Delivery Pick-up



In-Stock Equipment



Repair & Calibration



Rental Protection Plan