

Thickness Gauges Nondestructive Testing (NDT)







Cygnus Instruments

Cygnus 6+ PRO Multi-Mode Ultrasonic Thickness Gauge

Pine Item #54844

DESCRIPTION:

The NEW Cygnus 6+ ultrasonic thickness gauge has a large front LCD color display plus an end mounted OLED display, offering maximum versatility.

FEATURES:

- Multiple-Echo for reliable, accurate through coating measurements
- Single-Echo and Echo-Echo measuring modes with twin crystal probes for extreme corrosion and back wall pitting
- A-scan display
- Real time B-scan display
- Manual and automatic gain control
- Comprehensive data logging capabilities
- Bluetooth connectivity
- MSI[™] (Measurement Stability Indicator) used in Single-Echo and Echo-Echo measurement modes
- Dual display large front LCD display and NEW high durability end-mounted LCD display with grayscale setting for bright sunlight
- Deep-coat mode, measure through coatings up to 20 mm thick
- Wrist mountable
- Minimum / maximum measurement limit functions with visual and vibrate alert
- Intuitive easy to use menu
- Extremely rugged enclosure shock and impact to US MIL STD 810G
- Environmental sealing to IP67 US MIL STD 810G
- Cygnus echo strength bars to assist quick measurements
- Buttons integral with the TPE moulding and designed for min 100,000 depressions.

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Materials	Sound velocities between 2000 - 9000 m/s (0.079 - 0.35 in/ms) - covers virtually all common engineering materials
Accuracy	± 0.1 mm (± 0.004) or 0.1% of thickness measurement whichever is greatest when calibrated in accordance with Cygnus Instruments calibration
Resolution	Multiple-Echo mode - 0.1 or 0.05 mm (0.005" or 0.002") / Single-Echo and Echo-Echo modes - 0.01 mm (0.0004")
Probes	Single crystal probes:\n6 mm (¼) - 5.0 MHz (S5A)\n13 mm (½) - 2.25 MHz (S2C (stand- ard))\n3.5 MHz (S3C) or 5.0 MHz (S5C)\n19 mm (¾) - 2.25 MH
Measurement Range in Steel	Single crystal probes:\n3 - 250 mm (0.120\" - 10.00\") with 2.25 MHz probe (S2C/D)\n2 - 150 mm (0.080\" - 6.000\") with 3.5 MHz probe (S3C)\n1 - 50
Connector	Twin Lemo 00
Power	3 x AA batteries
Battery Life	10 hours minimum
Electronics	Dual channel pulser
Display	2.4" quarter VGA LCD and end-mounted OLED (rotatable)
Display Info.	Thickness value A-scan B-scan and cross-section scan
Size	132 mm x 82 mm x 34 mm (5.20″ x 3.23″ x 1.34″)
Weight	300 grams (10.58 oz) inc. batteries
Operating Temp.	-10°C to 50°C (14°F to 122°F)
Data Logging	Capacity for up to 5000 points including A-scans
Computer Software	CygLink allows remote logging and viewing of A-scan graphs. Survey and report gen- eration to PDF file. Graphic analysis of data and statistic
Environmental Rating	IP67 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
Shock and Impact	MIL STD 810G Method 514.7 (vibration - 1 hour each axis)\nMIL STD 810G Method 516.7 (shock 20g - 11ms half sine shock pulse 40g 11ms in each
Compliance	CE British Standard BS EN 15317:2013 (specification for the characterization and verifi- cation of ultrasonic thickness measuring equipment)
Environmental	RoHS WEEE Compliant



Video: https://youtu.be/ENhS8ez-6rgk





Local Delivery Pick-up In-Stock Equipment





Repair & Calibration

Rental Protection Plan

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