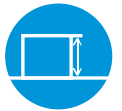


CTS-30A CTS-30B

Ultrasonic Thickness Gauge



The CTS-30A / CTS-30B ultrasonic thickness gauge, adopts micro-processor technology and advanced manufacture process design, can do measurement of thickness and acoustic velocity on metal and many materials based on ultrasound measurement principle.

- Mono LCD (with backlight), 128×64 pixels
- Measurement range: 0.8mm-300mm/400mm (steel)
- Measurement accuracy: 0.01mm/0.1mm
- Various measurement modes available: Minimum measurement value capture, average measurement value, setup limit measurement value, difference measurement value, etc.
- Input the known thickness and the system may show the velocity of the inspected workpiece in real time.
- Up to 5000 sets of measurement data (refer to measurement value and acoustic value) and 100 sets of parameter data (refer to measurement value and system setup, etc.) can be saved.
- Compact size, light weight, low consumption and long operation period.

Compared with CTS-30A, the CTS-30B model has more advanced functions, such as:

- Fast Scan
- Two-point calibration
- Multi-probe selection

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Specifications

Model	CTS-30A	CTS-30B
Measurement Mode	R-B1 (transmission pulse to the first echo)	
Measurement Range	0.80~300.00 mm (steel)	0.80~400.00 mm (steel)
Display Resolution	0.01 mm /0.1 mm	
Material Velocity Range	1000~9999 m/s	
Gain	Low / Standard / High	
Pulser	Negative square	
Measurement Times	2 times every second in normal scan, approx..20 times every second in fast scan	
Display Error (With configured probe)	0.80mm ~ 9.99mm: $\pm 0.05\text{mm}$ 10.00mm ~ 99.99mm: $\pm (1\%H + 0.04)\text{mm}$ 100.0mm ~ 300.0mm: $\pm 3\%H \text{ mm}$ 【Note】 : H is thickness of the detected material.	
User-defined Calibration	One point	One point / Two points
Measurement Function	Standard/ minimum/ average/ difference	Standard/ minimum/ average/ difference/ fast scan
Interface Mode	Standard measurement /Simple menu setup interface	
Dynamic Velocity Measurement	Input the known thickness and the system may show the velocity of the inspected workpiece in real time.	
Calibration	Auto calibration with built-in test block (steel)	
Power-saving	When out of operation for a while, the system will power off automatically. When the battery power is low, the screen will prompt.	
Buzzer	For measurement overrange and calibration indication.	
Data Transmission	Data can be transferred to a PC via the miniUSB port.	
Display Screen	2.2-inch Mono LCD (with backlight) with 128×64 pixels	
Measure Unit	inch / mm	
Storage	Up to 5000 sets of measurement data (refer to measurement value and acoustic value) and 100 sets of parameter data (refer to measurement value and system setup, etc) can be saved.	
Language	Ten languages for selection, including Chinese, Czech, English, French, German, Hungarian, Portuguese, Russian, Spanish, Swedish	
Battery Operation Time	Continuous operation for more than 30 hours	
Power Supply	Two size AAA batteries	
Operating Temperature	-10~40°C	
IP Code	IP54	
Weight	Approx. 140g (including batteries)	
Dimension	100 mm × 65 mm× 25 mm (W×H×L)	
Compatible Probe	5MHz	2 MHz
		5 MHz
		7.5MHz
		High temperature probe

*EN-15317 compliant

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Specifications and appearance are subject to change without prior notice.
 DCY2.781.EN.CTS-30AB. CY7B05