

# SIUI CTS-30A CTS-30B

## Ultrasonic Thickness Gauges

The CTS-30A / CTS-30B ultrasonic thickness gauges, adopt 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 x 64 pixels
- Measurement range: 0.03~12/16" - 0.8~300/400mm (Steel)
- Measurement accuracy: 0.0004 / 0.004"-0.01/0.1mm
- 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 work piece 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

Model	SPECIFICATION		
	CTS-30A		CTS-30B
Measurement range	0.03~12" / 0.80~300mm (Steel)		0.03~16" / 0.80~400 mm (Steel)
Gain	Standard		Low / Standard / High
User-defined Calibration	One point		One point / Two points
Measurement accuracy	0.0004 / 0.004" - 0.01 mm / 0.1 mm		
Material velocity range	1000~9999 m/s		
Display error (With configured probe)	When Range Is:-	Accuracy Is:-	Tolerance Is:-
	0.03~0.4" / 0.80~10mm	± 0.0004" / 0.01mm	± 0.002" / 0.05mm
	0.4~ 4" / 10~100mm	± 0.0004" / 0.01mm	± (1% H+0.0004" / 0.04mm)
	4"~ 12" / 100~300mm	± 0.004" / 0.1mm	≤3%H inch/mm
	[Note]: H is thickness of the detected material		
Calibration	Auto calibration with built-in test block (steel)		
Measurement function	Minimum measurement value capture, average measurement value, setup limit measurement value, difference measurement value, etc. Moreover, the CTS-30B has fast scan function.		
Measurement mode	R-B1 (transmission pulse to the first echo)		
Dynamic velocity measurement	Input the known thickness and the system may show the velocity of the inspected work piece in real time.		
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 over range and calibration indication.		
Data transmission	Data transmission		
Storage function	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.		
Measure unit	Inch / mm		
Display Screen	2.2" / 56mm Mono LCD (with backlight) with 128x64 pixels		
Power supply	2 AAA batteries		
Operation time	Continuous operation for more than 30 hours		
Operating temperature	15~105F / -10~40C		
Weight	Approx. 4.25Oz / 120g (Including batteries)		
Dimension L x W x Thk	2.6 x 3.9 x 1inch / 65 x 98 x 24mm		
Compatible probes	5 MHz		2 MHz
			5 MHz
			7.5MHz
			High temperature probe

Para mais informações ligue PABX: 11-4419-3192