

CTS-30C

Ultrasonic Thickness Gauge



The CTS-30C is an entry-level & cost-effective thru-coating thickness gauge, especially good for thru-coating thickness measurement on painted and coated thin wall pipe in machinery, chemical, ship building, aeronautical and aerospace industries.

Small size, lightweight, super-low consumption and easy operation makes it suitable for aloft and field work.

- Fast Scan
- Two-point calibration
- Multi-probe selection
- Thru-coating measurement



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Specifications

Function	Specifications
Measurement Mode	Normal measurement (R-B1, transmit pulse to the first echo), measurement range (0.8-400mm steel, depends on probe, material, temperature and setup) Through coating measurement (B1-B2), measurement range (3-50mm steel, depends on coating situation, material, temperature and setup)
Display Resolution	0.01/0.1 mm (0.001/ 0.01 in)
Material Velocity Range	1000-9999 m/s
Gain	low/ standard/ high
Pulser	Negative square
Measurement Times	2 times every second in normal scanning, approx. 20 times every second in fast scan
Display Error (With TG5-10L 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.
Calibration	a. Fast zero point calibration with the built-in test block. b. User-defined calibration (one-point/two-point calibration)
Measurement Function	Standard/ minimum/ average/ difference/ fast scan
Interface Mode	Standard measurement /Simple menu setup interface
Other Functions	Velocity dynamic measurement, measurement value over-limit symbol, sound alarm
Data Transmission	Data can be transferred to a PC via the miniUSB port.
Storage Management	Data storage, recall, delete and delete all
Display Screen	2.2-inch Mono LCD (with backlight), 128×64 pixels
Measure Unit	inch/ mm
Storage	Up to 5000 sets of measurement data (measurement value and velocity) and 100 sets of parameter data (measurement value and system setup)
Language	Ten languages for selection, including Chinese, Czech, English, French, German, Hungarian, Portuguese, Russian, Spanish, Swedish
Battery Operating Time	Continuous operation for more than 30 hours
Power Supply	Two size AAA batteries
Operating Temperature	-10~40℃
IP Code	IP54
Weight	Approx. 140g (including batteries)
Dimension	100 mm × 65 mm × 25 mm (L×W×H)
Compatible Probe	Special thru-coating probe
	High temperature probe
	2-7.5MHz probe

*EN-15317 compliant

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Specifications and appearance are subject to change without prior notice.
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