

You can now verify the
T H I C K N E S S
of concrete flatwork in

CTG

1 **Easy Step!**



You no longer need to drill, core, or excavate to determine concrete slab thickness using the CTG gauge.™



Using Sound to See...

Concrete Thickness Gauge™

CTG



{ Gauge }

{ Test Head }



Concrete Thickness Gauge™ { CTG - 1T }

The **CTG LINE OF INSTRUMENTS** are nondestructive, battery-powered handheld systems for measuring the thickness and integrity of concrete slabs, pavements, tunnel linings, walls and other plate-like structures. These systems feature a handheld gauge that records thickness information, a handheld test head for generating and receiving sound waves and a telescoping pole for use on flatwork or overhead. The CTG requires no special knowledge or training. It reliably measures the thickness of any type of concrete using the Impact Echo principle. Use it right out of the case with built-in default concrete parameters, or for greater accuracy simply calibrate the CTG instrument by testing at a point of known concrete thickness as a calibration reference for the speed of sound in that concrete and start testing.

FEATURES	
<ul style="list-style-type: none"> ■ Ruggedized handheld test head with integrated displacement transducer and solenoid impactor 	<ul style="list-style-type: none"> ■ English (inches) or Metric (centimeters) thickness and spectral echo signal display
<ul style="list-style-type: none"> ■ No coupling agents required for use of test head on concrete 	<ul style="list-style-type: none"> ■ Easy velocity calibration at known thickness location
<ul style="list-style-type: none"> ■ Works on cured, hardened concrete in air or on grade 	<ul style="list-style-type: none"> ■ Download test time/date and results into your PC through serial port
<ul style="list-style-type: none"> ■ Works through paint and most types of bonded tile (checks tile bonding too!) 	<ul style="list-style-type: none"> ■ Thickness data table importable into popular spreadsheet programs
<ul style="list-style-type: none"> ■ Easy to read LED display for outdoors and switchable backlight for indoors 	<ul style="list-style-type: none"> ■ Save selected test time/date and spectral thickness results for later review
<p>ADVANCED MODEL CTG-1TF for PC-based Impact Echo thickness and flaw analysis (void, cracking, honeycomb, etc.)</p>	

CTG SPECIFICATIONS
<p>THICKNESS RANGE: 2.6 to 24 inches, up to 6 ft. in thick mode</p>
<p>ACCURACY: Typically $\pm 2\%$ at high resolution when calibrated on a known thickness location</p>
<p>POWER: – Internal rechargeable NiMH battery pack (over 16 hrs. of operation per charge) – External Battery Charger - AC power unit, overnight charging – Can use AA size alkaline batteries or run on AC power unit</p>
<p>LEARNING CURVE: Can learn to use in 10 minutes</p>
<p>LIGHTWEIGHT: 4.4 lbs (2.0 kg), including test head and handheld unit with batteries</p>
<p>WARRANTY: 1- year limited warranty</p>



<p>120 CTG-1T THICKNESS TESTS 1 hr. = \$100</p>	<p>VS.</p>	<p>60 CORE THICKNESS TESTS 10 hrs. = \$3000 <i>(and you still have to patch the core holes!)</i></p>
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TIME = \$\$\$
CTG will save you a bundle!