

Verify Concrete Slab THICKNESS & INTEGRITY

CTG

- » Determines Thickness
- » Detects: Honeycomb ■ Voids
Cracks ■ Delamination



Tablet not included



No need to drill, core or excavate to determine concrete slab thickness

Model CTG-2	
Applicable For:	
» Concrete Slabs	» Concrete Pipes
» Tunnel Linings	» Core Depth Planning
» Precast Panels	» Walls
» Concrete Pavements <ul style="list-style-type: none"> ■ Parking Garages ■ Airport Runways 	<ul style="list-style-type: none"> ■ Precast ■ Precast Tilt-up ■ Cast-in-Place

Based on the Impact Echo Principle
Meets ASTM Standard C1383-04(10)



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CTG

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CONCRETE THICKNESS GAUGE



The **CTG-2** is a hand-held, battery powered, nondestructive system for measuring the thickness and integrity of concrete slabs, pavements, tunnel linings, walls and other plate-like structures using the Impact Echo principle.

Requires no special knowledge or training – connect the CTG-2 to your laptop or tablet* and start testing with Olson's WinCTG2 software. For greater accuracy, calibrate the unit at a location of known thickness to obtain the concrete velocity for that job.

Model CTG-2	
Specifications	
» Thickness Range: <ul style="list-style-type: none"> ▪ 3.2" to 20" (81 mm to 50.8 cm) ▪ Optional thick mode tests up to 6' (1.8m) 	» Data Collection: works with most Windows 7 and Windows 8 devices
» Accuracy: ± 2% when calibrated on a known thickness location	» Frequency Resolution: 10Hz
» Software Features: Olson's WinCTG2 Software is used for data acquisition and analysis	» Number of Samples Acquired Per Test: 4,545 » Sampling Rate: 45,454 samples/second » Max. Nyquist Sampling Frequency: 22,700 Hz
» Report Capability: use X and Y coordinates to set up a test grid. Generate a thickness summary table which can be exported to most spreadsheets in comma separated format	» Weight: 5 lbs (2.27 kg) combined weight of test head, batteries, cables and protective case » Cable Length for Test Head: 3 ft (91 cm)
» Power: Uses four readily available, non-rechargeable CR123A 3V long life lithium photo batteries	*To test concrete and acquire data, the CTG-2 system must be used with a Windows 7/Windows 8 computer or tablet running Olson Instrument's WinCTG2 software. The required computer or tablet must be provided by the user.
Features	
» Ruggedized, hand-held test head with integrated displacement transducer and solenoid impactor	» Switch between English (inches) or Metric (millimeters) units with the click of a button
» No coupling agents required for use of test head on concrete	» Easy velocity calibration at known thickness location, or use Olson's default parameters
» Works on cured, hardened concrete in air or on grade	» Thickness data table can be imported into most spreadsheet programs
» Works through paint and most types of bonded ceramic tile	» Save results for later review

TUNNEL LININGS
SLABS
WALLS
PAVEMENTS