

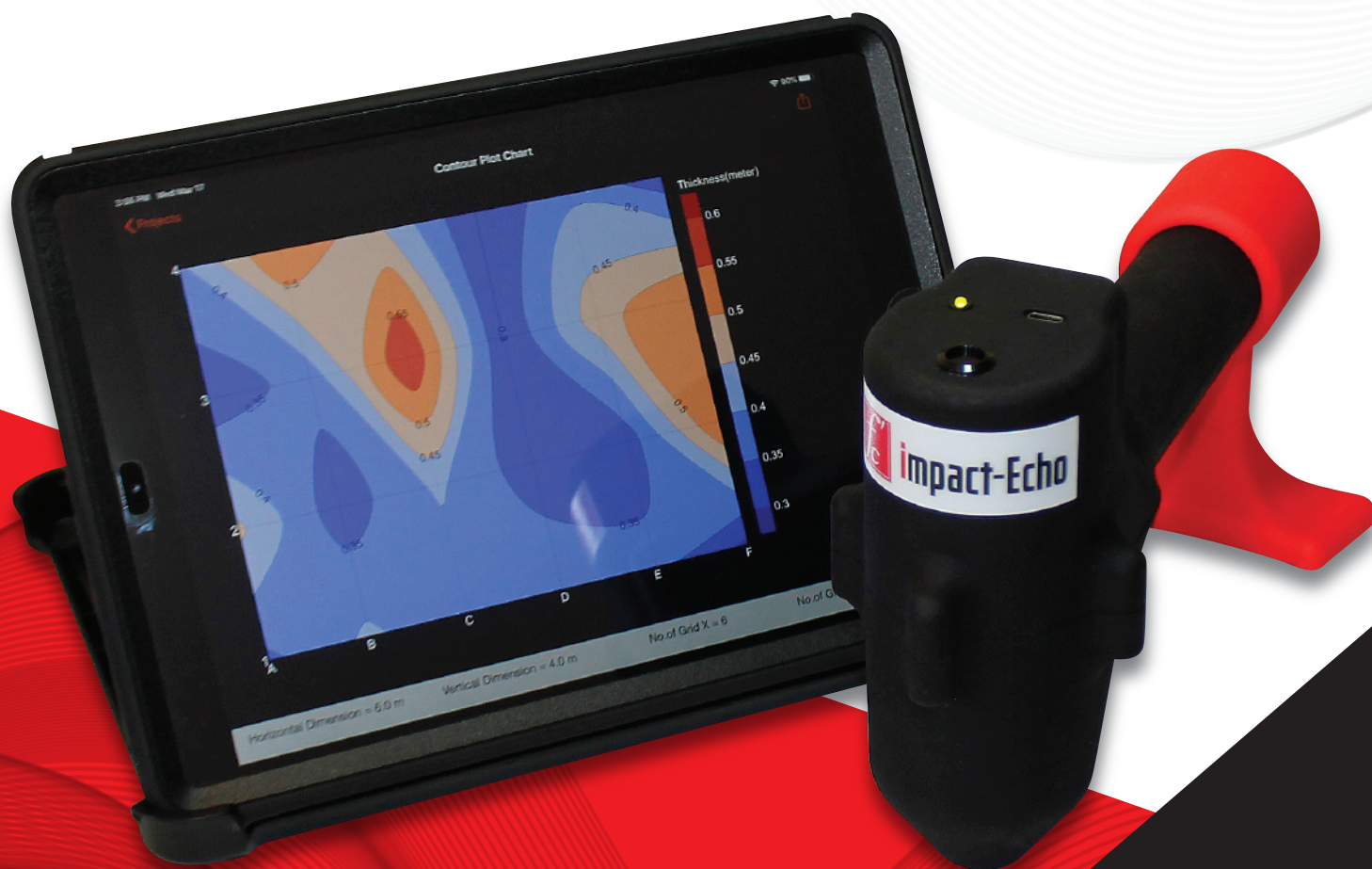
impact-Echo



FPrimeC's Impact-Echo can be used to:

- Evaluate the thickness of plate concrete elements
- Evaluation, and localization of subsurface defects
- Estimate crack depth in concrete and masonry

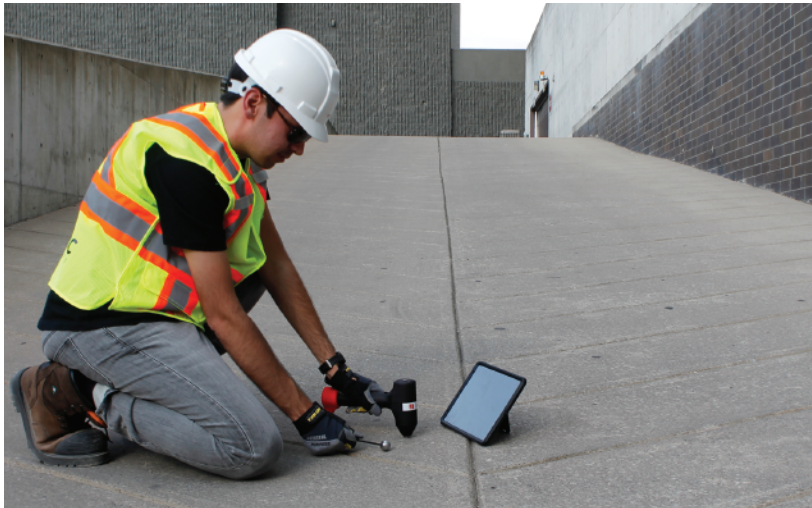
fprimec.com



About FPrimeC's **i**mpact-Echo

FPrimeC Impact-Echo is designed to enhance user experience in evaluating the structural integrity of plate concrete elements. The test can help structural engineers and nondestructive testing experts perform the impact-echo test with high precision and enhanced portability.

It is the first and only integrated impact-echo tester for wireless data collection, storage, analysis, plotting, & reporting. FPrimeC Impact-Echo provides an intuitive mobile App data collection, analysis, contour plotting, and reporting.



Applications

- Evaluate the thickness of plate concrete elements
- Evaluation, and localization of subsurface defects
- Estimate crack depth in concrete and masonry

How It Works

- High Precision Wireless Impact-Echo Sensor
- Meets requirements of ASTM C 1383
- Intuitive User Interface
- Powerful Analysis Toolbox for Time Domain and Frequency Domain
- Contour Plot Sub-Surface Defects

Features

- High Precision Low Noise Acceleration Sensor
- Bluetooth Connectivity
- Powerful Data Recording Unit
- Powerful and Up to Date App
- +8 hours of Battery Life
- Meets requirements of ASTM D5882

TECHNICAL SPECIFICATIONS

impact-Echo | Wireless Sensor

Test Method	Impact-Echo
Display	Any compatible Apple® iPad
Memory	32 GB (or more depending on the Apple iPad model)
Output	Built-in PDF, CSV, Screen Snapshots (PNG)
Wireless Connectivity	BLE 4.0
Dynamic Range	±50 g, peak
Sensitivity	100 mV/g
Frequency Response (±3dB)	0.6-25,000 Hz
Sampling Frequency	507 kHz
Sampling Resolution	> 12bit
Battery Life	+12 hrs on a single charge

i.Pile™ | Rugged iPad + Mobile App

Tablet Dimensions (rugged)	215 mm x 151 mm x 15 mm
Tablet Weight (rugged)	300 gr
Processor	1.8 GHz Octa Core
Memory / RAM	32 GB / 3.0 GB
Connectivity	Wi-Fi / BLE 4
Battery	4,000 mAh

Package Contains

- Impact-Echo Rechargeable Wireless Sensor
- Apple iPad (Optional)
- iPile App License and 5-year Free Upgrades
- Stainless steel Impactors
- Heavy-duty carry case
- Charging Cables
- Power Adapters
- Impact-Echo User Manual (Digital Copy)
- Standard 1-year limited warranty

Package Add-ons

- Second Sensor for Wave Speed Measurement
- Technical Training Packages
- Extended Warranty