

HC-F600 Crack Comprehensive Tester

DESCRIPTION

HC-F600 Crack Comprehensive Tester utilizes ultrasonic principles and microscopic imaging technology, suitable for detecting the depth and width of cracks on concrete and non-metallic surfaces.

TECHNICAL SPECIFICATIONS

Features	Parameters
Operating System	Android
Main Control Unit	Professional Processor
Number of Channels	Dual Channel
Display	5-inch color LCD (720x1280)
Storage Capacity	Built-in electronic hard disk (16G)
Sampling Interval	0.025μs to 2000μs (multiple options)
Sampling Length	512 points to 2048 points (multiple options)
Receiver Sensitivity	≤10μV
Transmitter Pulse Width	0.1μs to 100μs
Transmitter Voltage	125V, 250V, 500V, 1000V (multiple options)
Time-of-Flight Measurement Range	0 to 4096000μs
Amplitude Reading Range	0 to 170dB
Trigger Circuit	Internal trigger
Data Transfer	Dedicated USB drive, WIFI
Charging Power Supply	AC100~240 V, 50/60Hz, Output 12.6VDC, 3.0A
Host Dimensions	200×144×65(mm)
Host Weight	1.35kg
Operating Temperature	-20 to +60°C
Depth Measurement Range	5 to 500mm
Width Measurement Range	0 to 10mm
Width Measurement Accuracy	±0.01mm
Image Size	1280×720
Crack Width Judgment	AI oblique crack automatic reading, transverse reading, manual reading



KEY FEATURES

- Two-in-one functions: Concrete crack width and depth measurement.
- Automatic reading of first wave arrival time and amplitude: No manual interpretation required, with direct display of test results.
- 5-inch high-definition full-color LCD touch screen: Convenient operation.
- User-friendly interface: Easy to learn and use.
- Low-power design: Continuous working time exceeds 8 hours.
- Manual adjustment of time-of-flight line: Data correction for more accurate test results.
- Waveform editing during testing: Arbitrary overwriting and deletion of stored measurement points.
- Data storage and software upgrade via USB drive: Enjoy convenient service support.
- Powerful PC analysis software: Easy data analysis, processing, and report printing.

COMPONENTS

