

# THS3000 Series Handheld Oscilloscopes

## Bench-level performance in a handheld, battery-operated oscilloscope

The THS3000 series of handheld oscilloscopes is perfect for making floating measurements on isolated signals as well as characterizing both power electronics and digital/analog control circuitry. Units capture more signal information at higher sample rates (10 k points record length per channel) allowing you to clearly see signal details. Automatically monitor up to four signals and evaluate pass/fail results determined by predefined boundaries, and quickly find signal anomalies by using the TrendPlot™ function or by capturing multiple waveform screens for playback and review. Use the trend analysis with measurement data logging to plot data of any four scope measurements.

The automatic waveform recording with replay function allows you to view up to one hundred segments with each trigger event with simple one-button replay. The waveform monitoring and pass/fail testing includes user-definable references along with one to four channels of capture and playback. Oscilloscopes feature intuitive, easy-to-use front-panel controls allowing you to spend less time learning and more time on your task.

- Up to 5 GS/s max sampling rate
- 21 automatic measurements
- Four fully isolated and floating analog channels
- Advanced triggering including Bi-slope, pulse, video, and event delay
- On-screen cursors: single, dual, time (1/T), volts, watts, RMS
- User-definable waveform math with FFT for spectrum analysis
- Waveform persistence captures changing signals and rare events
- Integrated USB 2.0 device and host support
- Included OpenChoice® software supports transferring of settings, waveforms, and screen images
- Up to 7 hours of continuous battery operation
- 600 Vrms CAT III, 1000 Vrms CAT II rated inputs



SPECIFICATIONS		
Model No.	THS3014 (-TK)	THS3024 (-TK)
Bandwidth (MHz)	100	200
Max sample rate	2.5 GS/s	5 GS/s
Max record length	10,000 points per channel (30,000 roll mode)	
Inputs	4	4
Input sensitivity	2 mV to 100 V/div	
Waveform math	21 automated measurements, waveform pass/fail, compare, FFT, waveform math	
Connectivity	USB 2.0	
Display	6" (153 mm) color QVGA	
Dimensions (W x H x D)	12 ¼" x 13" x 2½" (311 x 330 x 63.5 mm)	
Power	Li-ion battery (7 hours continuous use) or AC power adapter	

Catalog No.	Model No.	Description
TS-20053-07	THS3014	4-channel handheld oscilloscope, 100 MHz
TS-20053-08	THS3014-TK	4-channel handheld oscilloscope, 100 MHz, with probe accessory kit
TS-20053-09	THS3024	4-channel handheld oscilloscope, 200 MHz
TS-20053-10	THS3024-TK	4-channel handheld oscilloscope, 200 MHz, with probe accessory kit
Accessories		
TS-20023-94	A621	Current probe; 2000 A, 50 kHz
TS-20023-95	A622	Current probe; 100 A, 100 kHz
TS-17100-12	—	NIST-traceable recalibration with data. Available at time of purchase.