

THS3000 Series Oscilloscopes

Laboratory performance in a rugged, portable design

Product Fact Sheet



Features

Benefits

Four isolated channels	Safely and easily make 4-channel floating or differential measurements, including 3-phase power measurements.
5 GS/s max sampling rate (THS3024)	Capture more signal information at higher sample rates to clearly see signal details.
Dedicated front-panel controls	Spend less time learning and more time on your task with easy-to-use front-panel controls.
Waveform limit testing	Automatically monitor up to four signals and evaluate pass or fail results determined by predefined boundaries.
Data logging features	Quickly find signal anomalies by using the TrendPlot™ function or by capturing multiple waveform screens for playback and review
7 hour battery	Work where you need to with up to 7 hours of continuous battery operation.
Just 4.8 lbs. (2.2 kg)	Easily transport from the lab to the field with the lightweight and compact design.
USB host and USB mini ports	Quickly and easily save instrument settings, screenshots, and waveform data onto a flash device or connect directly to a PC.

Designed to make your work easier



Quickly correlate your measurements between bench, lab and field

Featuring:

- 100 MHz and 200 MHz models
- 4 fully Isolated and Floating Channels
- 600 VRMS CAT III rated inputs
- 300 MHz CAT III rated probes included
- 10 K points standard record length on all channels
- Maximum sample rates up to 5 GS/s (THS3024)
- Advanced triggering
- 21 automatic measurements
- FFT function standard on all models
- 7 Hours of continuous battery operation
- USB device and host support
- Ruggedized and portable
- Tektronix OpenChoice™ desktop software included
- 3 year warranty

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Key specifications and ordering information

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Models	Analog Channels	Bandwidth	Record Length All channels	Max Sample Rate
THS3014	4	100 MHz	10 K points	2.5 GS/s
THS3014-TK	4	100 MHz	10 K points	2.5 GS/s
THS3024	4	200 MHz	10 K points	5.0 GS/s
THS3024-TK	4	200 MHz	10 K points	5.0 GS/s

Standard Probes and Accessories
<p><u>Standard Accessories</u></p> <ul style="list-style-type: none"> • Four THP0301-x; 300 MHz, 10x Passive Probes • Lithium-ion battery with 7-hour battery life • Carrying Handle • Hanging Strap • USB-A to mini USB-B cable for PC communication • Installation/safety Manual & Documentation CD • AC Power Adapter with Power Cord • OpenChoice® Desktop Software • Traceable Calibration Certificate • Soft-sided carry case (standard models only) <p><u>TK Model Accessories</u>^{*1}</p> <ul style="list-style-type: none"> • Hard-sided travel case • Soft-sided probe case • Two probe replacement accessory kits

Recommended Probes	
A621	2000 A, 5 to 50 kHz AC Current Probe/BNC
A622	100 A, 100 kHz AC/DC Current Probe/BNC
P5122	200 MHz 100X High-Voltage Passive Probe
P5150	500 MHz, 50X High-Voltage Passive Probe
CT2	3.5 A, 200 MHz AC current probe
TCP303 TCPA300	212 A, 15 MHz AC/DC current probe/amplifier
TCP305 TCPA300	50 A, 50 MHz AC/DC current probe/amplifier
TCP312 TCPA300	30 A, 100 MHz, AC/DC current probe/amplifier
TCP404XL TCPA400	750 A, 2 MHz AC/DC current probe/amplifier

Optional Accessories			
THSBAT	Additional spare battery	376-0255-xx	Versatile hanging hook
THSCHG ^{*2}	Battery charger	020-3085-xx	Probe replacement accessory kit
ACHHS	Instrument soft case	119-7900-00	AC Power Adapter
HCHHS	Instrument hard case		

*1 Includes all standard accessories except soft-sided carrying case

*2 Requires AC Power Adapter



Key Applications	Benefits
<ul style="list-style-type: none"> • Design and debug of electronic systems 	<ul style="list-style-type: none"> • Reduce measurement time and test equipment cost by using a single instrument to measure embedded analog and digital signals or to make safer floating measurements
<ul style="list-style-type: none"> • Industrial power design and debug 	<ul style="list-style-type: none"> • The four isolated channels allow for easy measurement of three-phase power or simultaneous capture of digital control and power signals
<ul style="list-style-type: none"> • Installation and maintenance 	<ul style="list-style-type: none"> • Verify, service or calibrate complex electronic systems

