

# THS3000 Series Oscilloscopes

Affordable 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.
10 Kpoints record length per channel	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 transfer the data 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
- 10 Kpoints standard record length on all channels
- Maximum sample rates up to 5 GS/s
- Advanced triggering
- 21 automatic measurements
- FFT function standard on all models
- 7 Hours of continuous battery operation
- USB 2.0 device and host support
- Lightweight 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	Sample Rate
THS3014	4	100 MHz	10 Kpoints	2.5 GS/s
THS3014-TK	4	100 MHz	10 Kpoints	2.5 GS/s
THS3024	4	200 MHz	10 Kpoints	5.0 GS/s
THS3024-TK	4	200 MHz	10 Kpoints	5.0 GS/s



Standard Probes and Accessories	Recommended Probes
<p><u>Standard Accessories</u></p> <ul style="list-style-type: none"> <li>• Four THP0301-x; 300 MHz, 10x Passive Probes</li> <li>• Lithium-ion battery with 7-hour battery life</li> <li>• Carrying Handle</li> <li>• Hanging Strap</li> <li>• USB-A to mini USB-B cable for PC communication</li> <li>• Installation/safety Manual &amp; Documentation CD</li> <li>• AC Power Adapter with Power Cord</li> <li>• OpenChoice® Desktop Software</li> <li>• Calibration Certificate</li> <li>• Three-year Warranty</li> <li>• Soft-sided carry case (standard models only)</li> </ul> <p><u>TK Model Accessories</u></p> <ul style="list-style-type: none"> <li>• Hard-sided travel case</li> <li>• Soft-sided probe case</li> <li>• Two probe replacement accessory kits</li> </ul>	<p>A621                      2000 A, 5 to 50 kHz AC Current Probe/BNC</p> <p>A622                      100 A, 100 kHz AC/DC Current Probe/BNC</p> <p>P5122*1                200 MHz passive 100X high-voltage probe</p> <p>P5205A*2              100 MHz, 1300 Vp-p, High-Voltage Active Differential Probe</p> <p>P5210A*2              20X, 50 MHz, 5600 Vp-p, High-Voltage Active Differential Probe</p> <p>CT2                      2.5 A, 200 MHz AC current probe</p> <p>TCP303                 150 A, 15 MHz AC/DC current probe/amplifier</p> <p>TCPA300</p> <p>TCP312                 30 A, 100 MHz, DC/AC current probe/amplifier</p> <p>TCPA300</p> <p>TCP404XL             500 A, 2 MHz AC/DC current probe/amplifier</p> <p>TCPA400</p>

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

\*1 The P5122 should not be used for AC-coupled measurements on signals with greater than 300 V DC offset.

\*2 Requires 1103 TEKPROBE Power Supply

Key Applications	Benefits
<ul style="list-style-type: none"> <li>• Design and debug of electronic systems</li> </ul>	<ul style="list-style-type: none"> <li>• Save measurement time and test equipment cost by using a single instrument to measure embedded analog and digital signals or to make floating or differential measurements for power applications</li> </ul>
<ul style="list-style-type: none"> <li>• Industrial power design and debug</li> </ul>	<ul style="list-style-type: none"> <li>• The four isolated channels allow for easy measurement of three-phase power or simultaneous capture of digital control and power signals</li> </ul>
<ul style="list-style-type: none"> <li>• Installation and maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Verify and document power system operating conditions before and after installation</li> </ul>

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