TDS3000C Series Digital Phosphor Oscilloscopes

Performance meets portability!

20614-65

Applications

- Digital design and debug
- Video installation and service
- Power supply design
- Telecommunications mask testing
- Manufacturing test

The TDS3000C Series provides a greater level of insight into complex signals, using powerful digital phosphor oscilloscope technology with WaveAlert® automatic anomaly detection, OpenChoice™ documentation and analysis solutions with e*Scope® web-based remote control function, letting you control these oscilloscopes from anywhere on the network using a PC. Use the six optional application-specific modules to transform these oscilloscopes into specialized instruments for limit testing, telecommunications mask testing, and video troubleshooting. The intuitive front panel interface makes setup and operation simple and the lightweight battery-capable design lets you go anywhere your application requires.

- Built-in Ethernet and exclusive e*Scope web-based remote control allow you to access and operate the unit from anywhere on the network
- External Trigger (4-channel): built-in external-trigger allows viewing of all 4 channels while triggering on another
- External Trigger (2-channel): no need to sacrifice a channel in order to trigger on another source
- WaveAlert automatic waveform anomaly detection provides instant 3-D recognition of transients
- Compact, lightweight, battery-capable design to take you anywhere the job requires
- QuickMenu graphical user interface, 11 languages built in, to make setup and operation simple and fast
- Plug-in application and communication modules extend the application-specific features needed for the job at hand
- Real-time intensity-graded color display to locate and analyze waveform anomalies that can be elusive or invisible on traditional digital storage oscilloscopes
- Front-panel USB host port provides easy storage and transfer of measurement data

SPECIFICATIONS	
Input impedance	1 MΩ in parallel with 13 pF or 50 Ω
Waveform capture rate	3600 wfms/s
Record length	10 k
Connectivity	Ethernet (10Base-T), USB flash drive, GPIB*, VGA, RS-232*
Trigger types	Edge, Logic, Pulse, Video, Extended Video*, Comm†
Waveform math	Simple Waveform Math, FFT, Arbitrary Expression Math
Display	6.5 in. color (TFT)
Dimensions (W x H x D)	14.8" x 6.9" x 5.9" (375 x 176 x 149 mm)
Battery operation	Optional 3 hours with one Li-Ion battery (TDS3BATC, order separately below)
Power	Power source voltage: 100 to 240 V ±10% Power source frequency: 47 to 66 Hz (90 to 264 V), 360 to 440 Hz (100 to 132 V)
*Optional †Requires TDS3TMT module (sold separately below).	

What's included: One P6139B (500 MHz, 10X) passive probe per channel, protective front cover, accessory tray, power cord, user manual, OpenChoice PC communication software, NI LabVIEW SignalExpress™ Tektronix Edition LE software, and calibration document supplied by the manufacturer.

Catalog No.	Model No.	Bandwith	Channels	Sample rate	Rise time
TS-20614-60	TDS3012C	100 MHz	2	1.25 GS/s	3.5 ns
TS-20614-61	TDS3014C	100 MHz	4	1.25 GS/s	3.5 ns
TS-20614-62	TDS3032C	300 MHz	2	2.5 GS/s	1.2 ns
TS-20614-63	TDS3034C	300 MHz	4	2.5 GS/s	1.2 ns
TS-20614-64	TDS3052C	500 MHz	2	5 GS/s	0.7 ns
TS-20614-65	TDS3054C	500 MHz	4	5 GS/s	0.7 ns
Accessories					
TS-20023-60	TDS3TMT	Mask testing module, pass/fail compliance of ITU-T G.703 and ANSI T1.102 standards, custom mask editing and more			
TS-26058-17	TDS3BATC	Battery pack for up to 3 hours of continuous operation without live power			
TS-17110-34	**—**	**NIST-traceable recalibration with data for models TDS3012C, 3014C, 3032C, 3034C.**			
TS-17111-32	**—**	**NIST-traceable recalibration with data for models TDS3052C, 3054C.**			