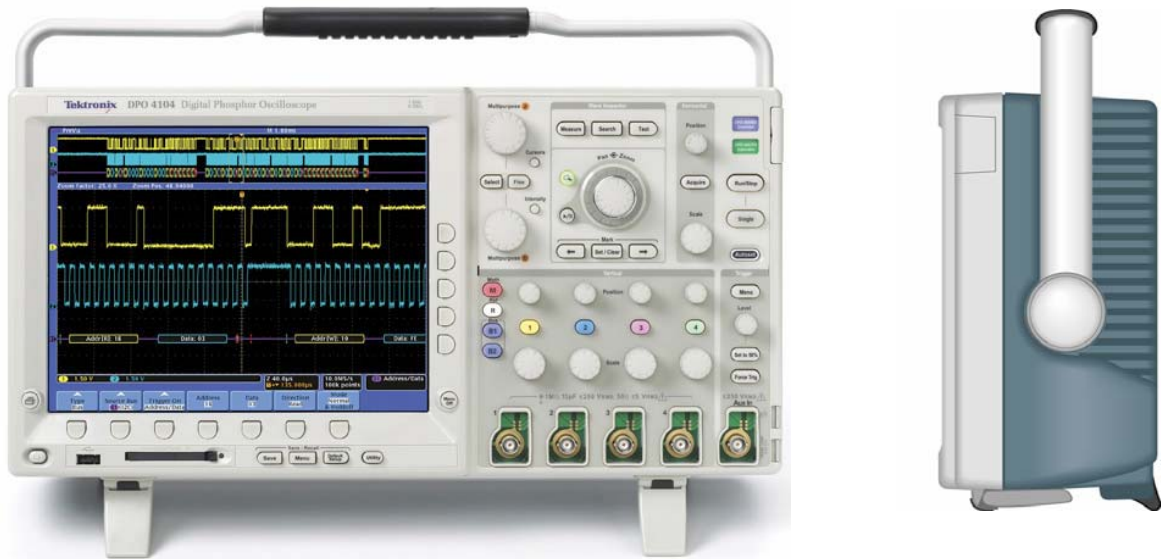


# Tektronix DPO4000 Series Oscilloscopes

Feature-rich tools for debugging mixed signal designs

Product Fact Sheet



Free up valuable bench-top space -

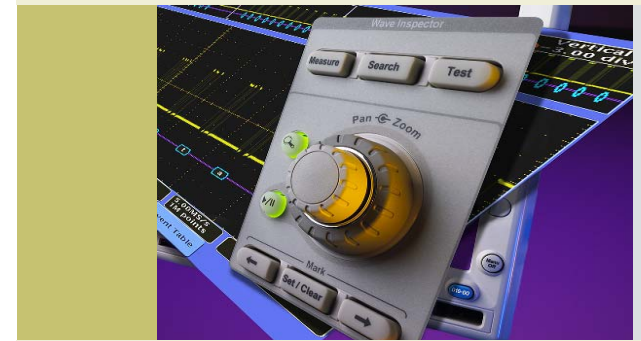
Dimensions: 9.0 in. (229 mm) height x 17.3 in. (439 mm) width x 5.4 in (137 mm) depth; 11 lbs (5kg) weight.

## Key Specifications

<b>Bandwidth</b>	350 MHz, 500 MHz, 1 GHz models
<b>Channels</b>	4 channel models
<b>Record Length</b>	10 M standard on all channels
<b>Sample Rate</b>	Up to 5 GS/s on all channels
<b>Display</b>	10.4 inches (264 mm); 1,024 x 768 resolution (XGA)
<b>Mass Storage</b>	Front panel USB and CompactFlash
<b>Additional</b>	<ul style="list-style-type: none"><li>▪ I<sup>2</sup>C, SPI, CAN, LIN, FlexRay, RS-232/422/485/UART serial triggering and analysis options</li><li>▪ Built in Ethernet port</li></ul>

## Meet the Wave Inspector

Efficiently view, navigate and analyze waveform data



Zoom, pan, search, set user marks and more with dedicated front-panel Wave Inspector controls.

### Zoom-Pan

Intuitive front-panel zoom and pan controls for simple waveform navigation.

### User Marks

Easy “bookmarking” for quick navigation between marks.

### Search

Quickly find and mark all occurrences of user specified events.

[www.tektronix.com/dpo4000](http://www.tektronix.com/dpo4000)

**Tektronix**  
Enabling Innovation



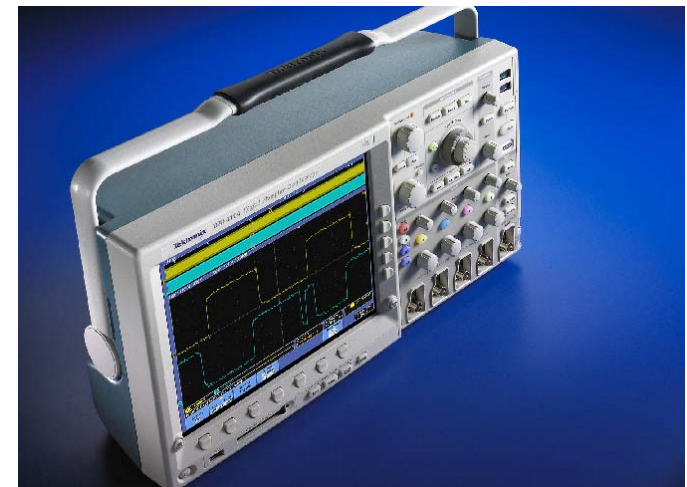
Triggering on specific data packet going across an I2C bus.



CAN event table display of bus content for easy comparison with software listings.



Slim 5.4 in. form factor helps free up valuable bench-top space.



## Ordering Information

Models	Analog Channels	Bandwidth	Sample Rate (ALL Channels)	Record Length
DPO4104	4	1 GHz	5.0 GS/s	10 M
DPO4054	4	500 MHz	2.5 GS/s	10 M
DPO4034	4	350 MHz	2.5 GS/s	10 M

### Application Modules

- DPO4EMBD** - Embedded Serial Triggering and Analysis Module (I<sup>2</sup>C, SPI).
- DPO4COMP** - Computer Serial Triggering and Analysis Module (RS-232/422/485/UART).
- DPO4AUTO** - Automotive Serial Triggering and Analysis Module (CAN, LIN).
- DPO4AUTOMAX** - Extended Automotive Serial Triggering and Analysis Module (CAN, LIN, FlexRay).
- DPO4VID** - HDTV and Custom Video Triggering Module.

### Standard Probes and Accessories

- One P6139A 500 MHz, 10x Passive Probe per Channel.
- Front Cover (200-4908-00).
- CompactFlash Memory Card; 32 MB (156-9413-00).
- User Manual (071-2121-xx).
- Documentation CD (063-3903-xx).
- OpenChoice Desktop Software.
- NI LabVIEW SignalExpress Tektronix Edition LE Software.
- Calibration Certificate Documenting Traceability to National Metrology Institute(s) and ISO9001 Quality System Registration.
- Power Cord.
- Accessory Bag (016-1967-00).
- Three-year Warranty.

Please specify power plug and manual version when ordering.

### Recommended Probes and Accessories

Probes	Description
TAP1500	1.5 GHz TekVPI™ Active Probe.
TCP0030	120 MHz TekVPI 30 Ampere AC/DC Current Probe.
TCP0150	20 MHz TekVPI 150 Ampere AC/DC Current Probe.
TDP0500	500 MHz TekVPI 42V Differential Probe.
TDP1000	1 GHz TekVPI 42V Differential Probe.
P5205 <sup>*1</sup>	1.3 kV, 100 MHz High-voltage Differential Probe.
P5210 <sup>*1</sup>	5.6 kV, 50 MHz High-voltage Differential Probe.
P5100	2.5 kV, 100X High-voltage Passive Probe.
ADA400A <sup>*1</sup>	100X, 10X, 1X, 0.1X High-gain Differential Amplifier.

Accessories	Description
071-1844-xx	Service Manual (English only).
SIGEXPTE	NI LabVIEW SignalExpress Tektronix Edition Software.
TPA-BNC	TekVPI to TekProbe BNC Adapter.
TEK-USB-488	GPIO to USB Adapter.
ACD4000	Soft Transit Case.
HCTEK4321	Hard Transit Case (requires ACD4000).
RM4000	Rackmount Kit.
AMT75 <sup>*1</sup>	1 GHz, 75 Ω Adapter.

\*1 Requires TekVPI™ to TekProbe BNC adapter (TPA-BNC).

### Impressive Performance

- Up to 1 GHz bandwidth.
- 4 channels.
- 10 M uncompromised record length across all channels comes as standard.
- ≥ 5x over sampling across all channels for accurate representation of your signal.
- Advanced video triggering.\*2

### Serial Debug for Common Standards

- Serial bus trigger and decode (I<sup>2</sup>C, SPI, CAN, LIN, FlexRay, RS-232/422/485/UART).\*2

### Exceptional Ease-of-Use

- Wave Inspector® controls allow you to easily search and navigate through long memory.
- Large 10.4 in. (264 mm) XGA screen.
- Front panel USB and CompactFlash mass storage for easy transfer of information.
- USB plug-and-play PC connectivity.

\*2 Optional

48W-19356-3

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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