

MSO/DPO2000B Series



30-SECOND SELL

“This scope offers many advanced features at the price of an entry-level scope. With as many as 20 channels, it offers extensive debug tools for serial and parallel buses and a 5-year warranty.”

PRODUCT HIGHLIGHTS

- 1 Mpoint record length on all channels
- Over 125 available trigger combinations, including setup/hold, serial packet and parallel data
- Automated search and easy waveform navigation with Wave Inspector®
- 29 automated measurements and FFT analysis
- 5-year warranty



Quickly pan/zoom and automatically search your waveforms with Wave Inspector®.



Automatically trigger, decode and search your serial buses with optional analysis modules.

MODELS	STOCK CODE	ANALOG CHANNELS	DIGITAL CHANNELS	ANALOG BANDWIDTH	ANALOG SAMPLE RATE
DPO2002B	2191868	2	—	70 MHz	1 GS/s
MSO2002B	2191874	2	16	70 MHz	1 GS/s
DPO2004B	2191869	4	—	70 MHz	1 GS/s
MSO2004B	2191875	4	16	70 MHz	1 GS/s
DPO2012B	2191870	2	—	100 MHz	1 GS/s
MSO2012B	2191876	2	16	100 MHz	1 GS/s
DPO2014B	2191871	4	—	100 MHz	1 GS/s
MSO2014B	2191877	4	16	100 MHz	1 GS/s
DPO2022B	2191872	2	—	200 MHz	1 GS/s
MSO2022B	2191879	2	16	200 MHz	1 GS/s
DPO2024B	2191873	4	—	200 MHz	1 GS/s
MSO2024B	2191881	4	16	200 MHz	1 GS/s

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APPLICATION MODULES

Serial Bus Triggering and Protocol Analysis

DPO2BND	Includes DPO2AUTO, DPO2COMP, DPO2EMBD	2458421
DPO2AUTO	Automotive (CAN, LIN)	1665104
DPO2COMP	Computer (RS-232/422/485/UART)	1665105
DPO2EMBD	Embedded (I ² C, SPI)	1665107

RECOMMENDED PROBES

Passive Voltage Probes

TPP0200	200 MHz, 300 V CAT II	2345357
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Active Voltage Probes

TAP1500 ¹	10X, 1.5 GHz, ± 8 V	1856714
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Differential Voltage Probes

TDP0500 ¹	500 MHz, ± 42 V/± 4.25 V	1856715
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High Voltage Probes

THDP0200 ¹	200 MHz, ± 1500 V/± 150 V	2072157
TMDP0200 ¹	200 MHz, ± 750 V/± 75 V	2072158
THDP0100 ¹	100 MHz, ± 6000 V/± 600 V	2072156

Current Probes

TCP2020	50 MHz, 20 A DC/20 A RMS/100 A Peak/10 mA Min	2318653
TCP0030A ¹	120 MHz, 30 A DC/30 A RMS/50 A Peak/1 mA Min	2318650
TCP0150 ¹	20 MHz, 150 A DC/150 A RMS/500 A Peak/5 mA Min	1856719

RECOMMENDED ACCESSORIES

DPO2CONN	Ethernet and Video Out Connectivity Module	1665106
119-7465-xx	TekVPI External Power Supply	2400614
ACD2000	Soft Carrying Case	1665112

¹ Requires 119-7465-xx TekVPI External Power Supply.

SHIPS WITH PRODUCT

- One TPP0100 100MHz, 10X Passive Probe Per Analog Channel (70 MHz model)
- One TPP0200 200 MHz, 10X Passive Probe Per Analog Channel (100 MHz & 200 MHz models)
- One P6316 16 Channel Logic Probe (MSO only)
- OpenChoice® Desktop Software
- Calibration Certificate, Quick Reference Manual & Documentation on CD, Power Cord
- 5-year Warranty

ANOTHER PRODUCT FOR CONSIDERATION



Need an arbitrary/function generator for your project? The **MDO3000 Series** features six integrated instruments to capture analog, digital and RF signals with one scope.

Need more bandwidth? The **MDO3000 Series** offers up to 1 GHz analog bandwidth.

See page 14

INDUSTRY COMPARISON

See how the MSO/DPO2000B Series stacks up against the Keysight 2000 X-Series. **See page 12**

TOOLS FOR THE CUSTOMER

 Data Sheet

FOR MORE INFO VISIT TEK.COM/MSO2000

3 Reasons to Buy this Product

8 out of 10 engineers trust Tektronix for their innovative, high-quality oscilloscopes. Here are a few more reasons why this scope stands out from the rest.

- 1 The industry leading 5-year warranty offers lowest cost of ownership.
- 2 Only scope in its class that offers automated search and advanced triggers such as rise time and runt.
- 3 Only scope in its class with 16 digital channels.

Compared to the Keysight 2000 X-Series and LeCroy WaveAce 2000 Series.