

2540C Series DSO and MSO Comparison Guide

1 GSa/s, 2 Channel, MSO Upgradable



	2540B Series B&K Precision	New 2540C Series B&K Precision		MSO/DPO2000B Series Tektronix	
	DSO	DSO	MSO	DSO	MSO
Model	2540B-GEN / 2542B-GEN	2540C / 2542C / 2544C	2540C-MSO / 2542C-MSO / 2544C-MSO	DPO2002B / DPO2012B / DPO2022B	MSO2002B / MSO2012B / MSO2022B
Price	\$1,195 / \$1,395	\$979 / \$1,099 / \$1,249	\$1,379 / \$1,499 / \$1,649	\$1,310 / \$1,630 / \$2,300	\$2,050 / \$2,410 / \$3,070
Bandwidth	60 MHz / 100 MHz	70 MHz / 100 MHz / 200 MHz	70 MHz / 100 MHz / 200 MHz	70 MHz / 100 MHz / 200 MHz	70 MHz / 100 MHz / 200 MHz
Channels	2	2		2	
MSO Digital Channels	None	Upgradable (16)	16	None	16
Sample Rate	1 GSa/s	1 GSa/s (interleaved)		1 GSa/s	
Record Length	2.4 Mpts	14 Mpts		1 Mpts	
Waveform Capture Rate	1,000 waveforms	60,000 wfms/s		5,000 wfms/s	
Display	5.7" widescreen display	8" widescreen display		7" widescreen display	
Measurements	32	36		29	
Function Generator	✓	✓ 25 MHz function generator, 5 MHz AWG		X	
FFT	✓	✓		✓	
Math Functions	Addition, Subtraction, Multiplication	Addition, Subtraction, Multiplication, Division, Integration, Differential, Square Root		Addition, Subtraction, Multiplication	
LAN	✓	✓		Upgradable (\$500)	
USB	✓	✓		✓	
Decoding and Serial Triggering Option	X	Decoding: I2C, SPI, UART/RS232, CAN, LIN (Upgradable - \$100) Triggering: I2C, SPI, UART/RS232, CAN, LIN (included in base model)		Decoding & Triggering: I2C, SPI, UART/RS232, CAN, LIN (DPO2BND - \$750)	
MSO Software Option ^{*1}	X	Upgradable - \$105	Included	X	Included
MSO Probe	X	LP2540C - \$295	Included	X	Included
Warranty	3 year	3 year		5 year	

*1 Base 2540C models are upgradable to a MSO at anytime

*2 HMO1002 MSO software comes standard but required probe is not included

Tektronix list prices and specifications as of 11-7-2017 on www.tek.com