

UPGRADES AVAILABLE AFTER PURCHASE

Upgrade as your needs change

Protocol Decoding

- Serial bus decoding
 - 1-Wire
 - ARINC 429
 - Automotive Ethernet
 - CAN / LIN / FlexRay
 - CXPI
 - eSPI
 - EtherCAT
 - Ethernet
 - eUSB2
 - I²C
 - I2S Audio
 - I3C
 - Manchester
 - MDIO
 - MIL-STD-1553
 - NRZ
 - PSi5
 - RS-232 / UART
 - SDLC
 - SENT
 - SMBus
 - SpaceWire
 - SPI
 - SPMI
 - SVID
 - USB 2.0

Bandwidth Upgrades

- 350 MHz
- 500 MHz
- 1 GHz
- 1.5 GHz

Digital Voltmeter / Trigger Frequency Counter

Free with product registration

Arbitrary / Function Generator

Advanced Analysis

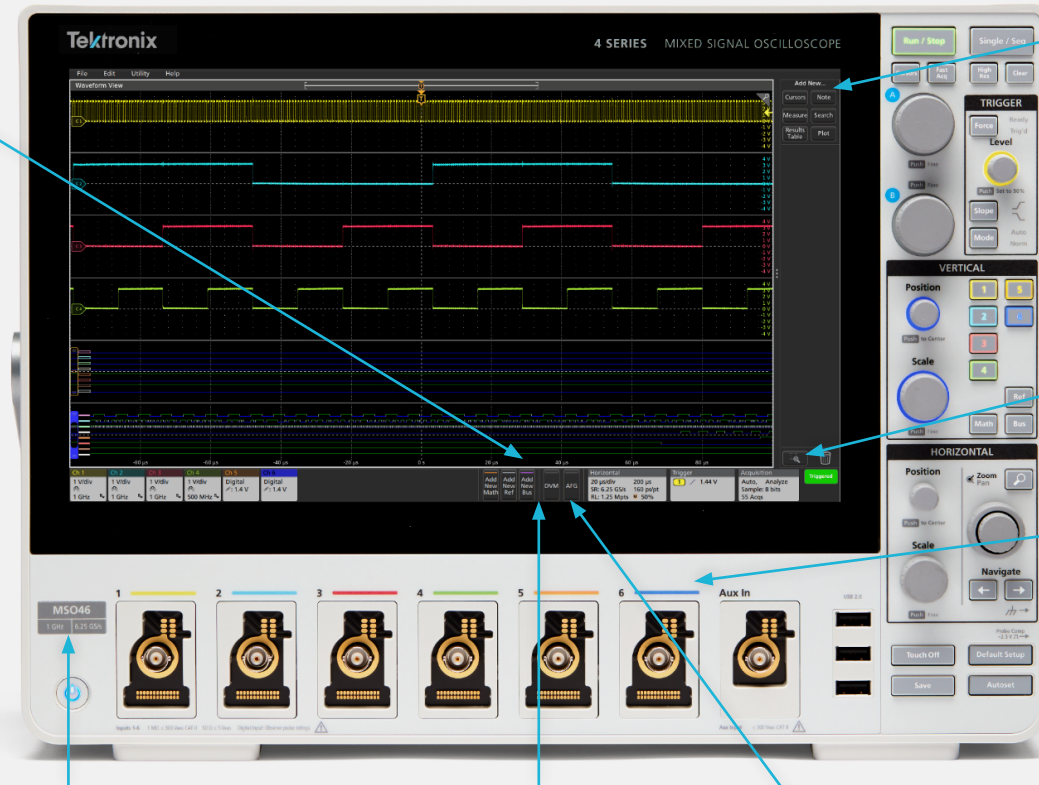
- Advanced Power Analysis
- 3-Phase Power Analysis
- Double Pulse Testing
- Wideband Spectrum Analysis
- RF vs Time Analysis and Triggering

Double Record Length

Increase to 62.5 Mpts / channel

Add TLP058 Logic Probes

Access 8 digital channels on any FlexChannel® input



SAVE WITH APPLICATION BUNDLES

Six Application Bundles deliver outstanding value. Available with 1-year or perpetual licenses.

Starter Bundle (4-STARTER-1Y or -PER) – Capabilities that most engineers will find valuable

- Serial trigger, decode, search and event table analysis on I²C, SPI, RS-232/422/485/UART buses
- Integrated Arbitrary/Function Generator with 13 predefined waveform types as well as arbitrary waveforms

Four Pro Bundles – Designed for specific applications and industries

- Choose one of the four bundles below to fit your application.
- Each includes the Starter Bundle (above).
- Each extends record length to 62.5 M/ch.

Serial Protocol Decoding and Analysis

(4-PRO-SERIAL-1Y or -PER)

- 1-Wire
- Audio
- CAN, CAN FD
- CXPI
- eSPI
- EtherCAT
- Ethernet
- eUSB
- FlexRay
- I3C
- LIN
- Manchester
- MDIO
- NRZ
- SDLC
- SMBus
- SPMI
- SVID
- USB 2.0

Power

(4-PRO-POWER-1Y or -PER)

- Advanced power analysis
- 3-Phase power analysis
- Double pulse testing for wide bandgap semiconductors
- SPMI decoding
- SVID decoding

Automotive

(4-PRO-AUTO-1Y or -PER)

- Double pulse testing for wide bandgap semiconductors
- CAN, CAN FD decoding
- CXPI decoding
- FlexRay decoding
- I3C decoding
- LIN decoding
- NRZ decoding
- PS15 decoding
- SENT decoding

Aerospace

(4-PRO-MILGOV-1Y or -PER)

- Mask/limit testing
- ARINC 429 decoding
- Manchester decoding
- MIL-STD-1553 decoding
- NRZ decoding
- SpaceWire decoding

Ultimate Bundle (4-ULTIMATE-1Y or -PER) – The most capability and greatest savings

- Includes Starter bundle and all Pro bundles
- PLUS: Spectrum View RF vs. time waveforms, extended Spectrum View capture bandwidth, and video triggers

AVAILABLE UPGRADES – 4 SERIES MSO

Individual Options

Feature	Upgrade	Description	Upgrade Option Details
Upgrade Bandwidth	SUP4-BWn	Bandwidth upgrade for n-channel 4 Series MSO. See datasheet for details on all upgrade options.	All bandwidth upgrades can be performed in the field by installing a software license.

Feature	Node-Locked License Upgrade	Description	
Instrument Functions	SUP4-AFG	Add arbitrary function generator	
	SUP4-RL-1	Extend record length to 62.5 Mpts / channel	
Protocol Analysis Decode and search serial content. Some packages include hardware triggering as noted.	SUP4-SRAERO	Aerospace serial triggering and analysis (MIL-STD-1553, ARINC 429)	
	SUP4-SRAUDIO	Audio serial triggering and analysis (I ² S, LJ, RJ, TDM)	
	SUP4-SRAUTO	Automotive serial triggering and analysis (CAN, CAN FD, LIN, FlexRay and CAN symbolic decoding)	
	SUP4-SRAUTOSEN	Automotive sensor serial triggering and analysis (SENT)	
	SUP4-SRCOMP	Computer serial triggering and analysis (RS-232/422/485/UART)	
	SUP4-SRCXPI	CXPI serial decoding and analysis	
	SUP4-SREMBD	Embedded serial triggering and analysis (I ² C, SPI)	
	SUP4-SRENET	Ethernet serial triggering and analysis (10BASE-T, 100BASE-TX)	
	SUP4-SRESPI	eSPI serial decoding and analysis	
	SUP4-SRETHERCAT	EtherCAT serial decoding and analysis	
	SUP4-SRI3C	MIPI I3C serial decode and analysis	
	SUP4-SRMANCH	Manchester serial decode and analysis	
	SUP46-SRMDIO	Management Data Input/Output (MDIO) serial decode and analysis	
	SUP4-SRNRZ	NRZ serial decode and analysis	
	SUP4-SRONEWIRE	1-Wire serial decoding and analysis	
	SUP4-SRPM	Power management serial triggering and analysis (SPMI)	
	SUP4-SRPSI5	PSI5 serial decode and analysis	
	SUP4-SRSDLC	Synchronous data link control (SDLC) decode and analysis	
	SUP4-SMBUS	SMBus serial decoding and analysis	
	SUP4-SRSPACEWIRE	SpaceWire serial analysis	
	SUP4-SRSVID	Serial Voltage Identification (SVID) serial decode and analysis	
	SUP4-SRUSB2	USB 2.0 serial bus triggering and analysis (LS, FS, HS)	
	SUP4-SREUSB2	Embedded USB2 (eUSB2) serial decode and analysis	
	Advanced Analysis	SUP4-3PHASE	Three-phase power analysis
		SUP4-MTM	Mask and limit testing
		SUP4-PWR-BAS	Power measurements and analysis
SUP4-PWR		Advanced power measurements and analysis	
SUP4-PS2		Power solution bundle (SUP6-PWR, THDP0200, TCP0030A, 067-1686-xx (deskew fixture))	
SUP4-SV-BW-1		Increase Spectrum View capture bandwidth to 500 MHz	
SUP4-SV-RFVT		Spectrum View RF versus Time analysis	
SUP4-VID		NTSC, PAL, and SECAM video triggering	
Digital Voltmeter	SUP4-WBG-DPT	Wide bandgap SiC/GaN double pulse test measurements	
	SUP4-DVM	Add digital voltmeter / trigger frequency counter (Free with product registration at www.tek.com/register4mso)	

Most licenses are available as “Floating” versions to facilitate sharing among engineers within your company. Contact your Tektronix representative for additional information.

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10/22 SBG 48W-61571-9

