

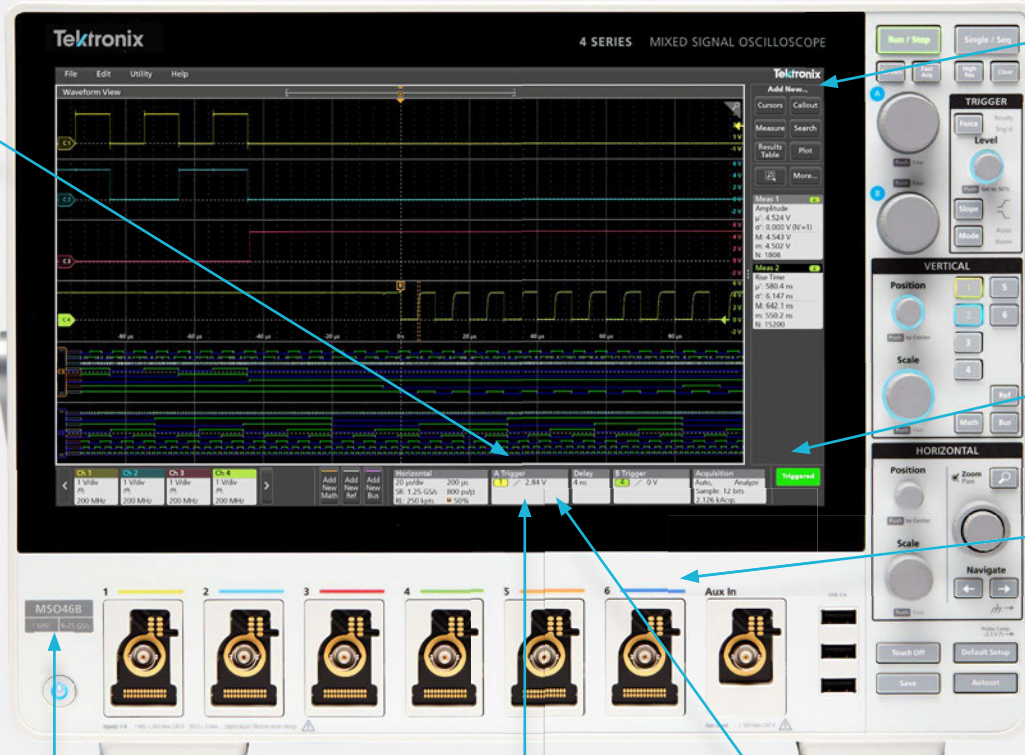


# Upgrades Available After Purchase

Upgrade as your needs change

## Protocol Decoding

- Serial bus decoding
  - 1-Wire
  - ARINC 429
  - Automotive Ethernet
  - CAN / LIN / FlexRay
  - CXPI
  - eSPI
  - EtherCAT
  - Ethernet
  - eUSB2
  - I<sup>2</sup>C
  - I2S Audio
  - I3C
  - Manchester
  - MDIO
  - MIL-STD-1553
  - NFC
  - NRZ
  - PSi5
  - RS-232 / UART
  - SDLC
  - SENT
  - SMBus
  - SpaceWire
  - SPI
  - SPMI
  - SVID
  - USB 2.0



## 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

## Bandwidth Upgrades

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

## Digital Voltmeter / Trigger Frequency Counter

Free with product registration

## Arbitrary / Function Generator



Ihr Ansprechpartner /  
Your Partner:

dataTec AG

E-Mail: [info@datatec.eu](mailto:info@datatec.eu)

>>> [www.datatec.eu](http://www.datatec.eu)

# 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 I<sup>2</sup>C, 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 B MSO

## Individual Options



FEATURE	UPGRADE	DESCRIPTION	UPGRADE OPTION DETAILS
Upgrade Bandwidth	SUP4B-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
	SUP4-RFNFC	NFC protocol decode and search
	SUP4-SRAERO	Aerospace serial triggering and analysis (MIL-STD-1553, ARINC 429)
	SUP4-SRAUDIO	Audio serial triggering and analysis (I <sup>2</sup> 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 <sup>2</sup> 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
	Protocol Analysis Decode and search serial content. Some packages include hardware triggering as noted.	SUP4-SRNRZ
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
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	
SUP4-WBG-DPT	Wide bandgap SiC/GaN double pulse test measurements	
Digital Voltmeter	SUP4-DVM	Add digital voltmeter / trigger frequency counter (Free with product registration at <a href="http://www.tek.com/register4mso">www.tek.com/register4mso</a> )

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

Copyright © 2023, Tektronix. All rights reserved. Tektronix and Keithley products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX, TEK and Keithley are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

12/23 SBG 48W-74046-0



Mess- und Prüftechnik. Die Experten.

Ihr Ansprechpartner /  
Your Partner:

dataTec AG  
E-Mail: [info@datatec.eu](mailto:info@datatec.eu)  
>>> [www.datatec.eu](http://www.datatec.eu)

