APPLICATION SOFTWARE BUNDLES

FOR 4, 5 & 6 SERIES MSOs

Tektronix®

Application Bundles

MONEY SAVING BUNDLES FOR THE 4, 5 AND 6 SERIES MSOs

Application bundles are a great alternative to purchasing individual options, especially if you plan to address diverse applications with your oscilloscope. Compared to individual options, these specially designed bundles:

- Offer better value with more functions at a much lower cost than equivalent individual options
- Make it cost-effective to purchase capabilities to cover future needs or needs across engineering teams
- Include the most frequently combined options for key applications and industries
- Provide flexibility to adjust year-to-year with lower cost 1-year subscriptions

Three Levels of Application Bundles

Starter Bundle

These bundles add capabilities that almost all engineers need for embedded systems design.
4, 5 or 6[1] Series MSOs equipped with a Starter Bundle (for example, 4-STARTER-PER) will be able to decode and trigger on I^2C, SPI, RS-232/422/485/UART bus activity. Includes an integrated arbitrary/function generator with 13 predefined functions and arbitrary waveforms.

Pro Bundles

Specially designed to empower engineers in particular applications and industries.
See pages 4 through 9 for details on specific bundles

Any Pro Bundle includes the capabilities enabled with the **Starter Bundle + Extended record length** to help you take better advantage of advanced analysis capabilities.

Serial Decode (4, 5, 6[1] Series)	Power (4, 5, 6[1] Series)	Signal Integrity (5, 6[1] Series)	Standards Compliance (5, 6[1] Series)	Automotive (4, 5, 6[1] Series)	Aerospace (4, 5, 6[1] Series)
A comprehensive kit of serial protocol support for embedded systems. Elminates the need to decode by hand.	Automates a wide range of power measurements – from the AC line to point of load.	Essential tools for engineers analyzing jitter and signal integrity of high-speed clocks and data lines.	Comprehensive test automation with full instrument control and reporting for testing to the leading serial standards.	For ECU designers – decoding for automotive protocols, and automated compliance testing for key communications standards.	Serial bus decoding for key aerospace protocols and mask testing for testing unique signals.

Ultimate Bundle

Everything listed above for the most capabilities and highest savings.
All of the capabilities of the **Starter Bundle + All capabilties of ALL Pro Bundles.**
Spectrum View RF vs. time waveforms + Extended Spectrum View capture bandwidth. Video triggering. Maximum available record length for the 5 and 6[1] Series MSOs.

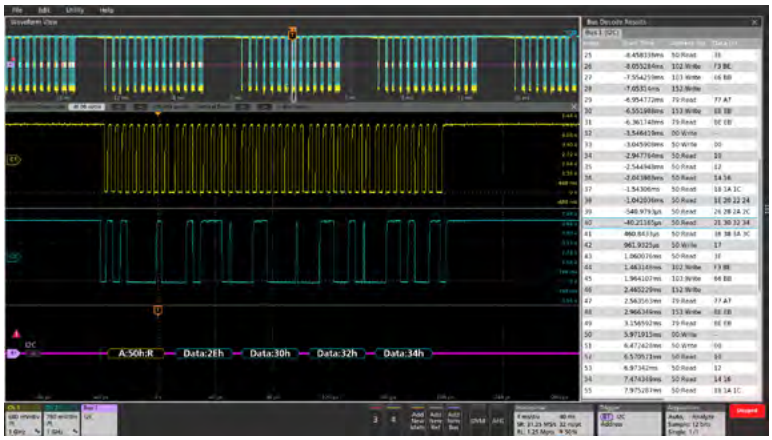
LICENSE CHOICES TO FIT YOUR NEEDS

1-year time-based License	This low-cost alternative lets you use the software for 1 year. Software updates and support are included. When the license expires a new license may be purchased.
Perpetual License	Use the software indefinitely. The license does not expire and includes updates/support for the first 12-months.
Maintenance License	Maintenance licences may be added to a perpetual license and extends the period of support of an original perpetual license for 12 months.

1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | SERIAL DECODE

A comprehensive kit of serial protocol support for embedded systems. These options automate bus decoding, eliminating the chore of hand decoding. Search capability makes it easy to zero in on specific bus activity.



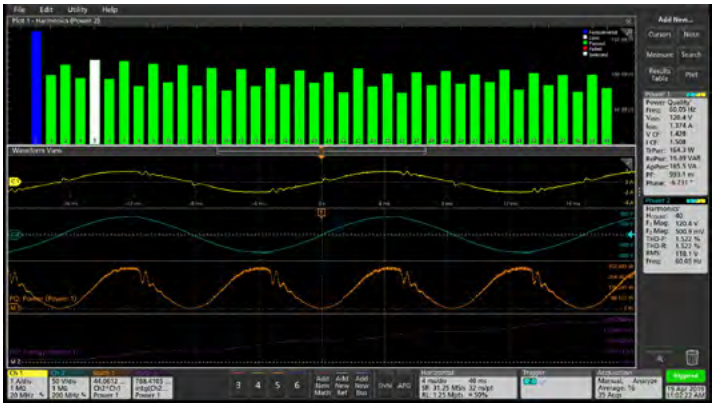
Automated serial decoding provides system-level visibilty without hand decoding.

Included	Description	4 Series MSO	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●	●
4-RL-1	Extend record length to 62.5 million sample points per channel	●		
5-RL-125M	Extend record length to 125 million sample points per channel		●	
6-RL-2	Extend record length to 250 million sample points per channel			●
SR8B10B	8B10B serial decoding and analysis		●	●
SRAUDIO	Audio serial triggering and analysis (I2S, LJ, RJ, TDM)	●	●	●
SRAUTO	Automotive serial triggering and analysis (CAN, CAN FD, LIN, FlexRay)	●	●	●
SRDPHY	MIPI D-PHY 1.2 (CSI/DSI) decoding and analysis		●	●
SRENET	Ethernet serial triggering and analysis (10BASE-T, 100BASE-T)	●	●	●
SREUSB2	eUSB 2.0 serial decoding and analysis	●	●	●
SRI3C	I3C serial decoding and analysis	●	●	●
SRMANCH	Manchester serial decoding and analysis	●	●	●
SRMDIO	MDIO serial decoding and analysis	●	●	●
SRNRZ	NRZ serial decoding and analysis	●	●	●
SRPM	Power Management serial triggering and analysis (SPMI)	●	●	●
SRSVID	SVID decoding and analysis	●	●	●
SRUSB2	USB 2.0 serial triggering and analysis (LS, FS, HS)	●	●	●
	1 YR Licenses	4-PRO-SERIAL-1Y	5-PRO-SERIAL-1Y	6-PRO-SERIAL-1Y
	Perpetual Licences	4-PRO-SERIAL-PER	5-PRO-SERIAL-PER	6-PRO-SERIAL-PER

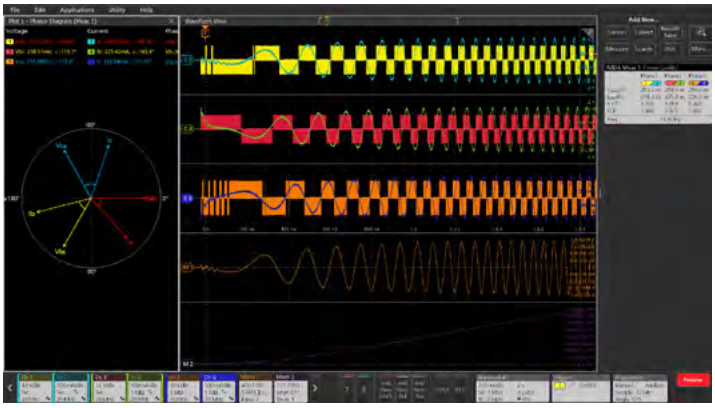
1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | POWER

Automates a wide range of power measurements - from the AC line to point of load. Also includes decoding for popular power management buses.



Automate common measurements such as true power, apparent power, reactive power, power factor and many more.



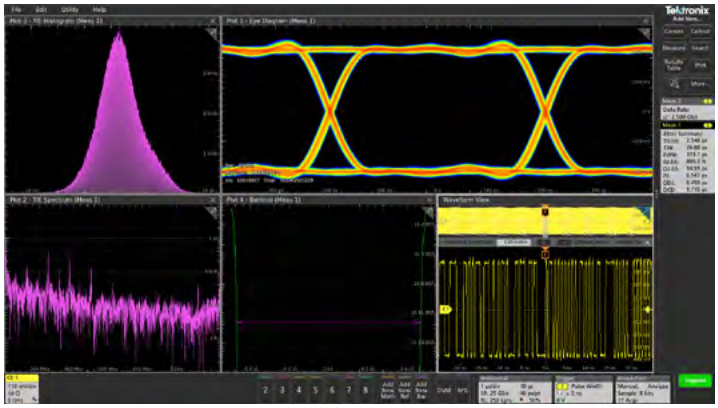
5 and 6 Series MSOs support advanced 3-phase motor drive analysis.

Included	Description	4 Series MSO	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●	●
4-RL-1	Extend record length to 62.5 million sample points per channel	●		
5-RL-125M	Extend record length to 125 million sample points per channel		●	
6-RL-2	Extend record length to 250 million sample points per channel			●
3PHASE	3-Phase power analysis	●		
DPM	Digital power management and analysis		●	●
IMDA	3-Phase inverters, motors and drives analysis		●	●
IMDA-DQ0	DQ0 measurements for IMDA		●	●
PWR	Advanced power measurements and analysis (includes PSRR, control loop analysis & impedence measurement)	●	●	●
SRPM	SPMI serial bus triggering and analysis	●	●	●
SRSVID	SVID serial bus decoding and analysis	●	●	●
	1 YR Licenses	4-PRO-POWER-1Y	5-PRO-POWER-1Y	6-PRO-POWER-1Y
	Perpetual Licences	4-PRO-POWER-PER	5-PRO-POWER-PER	6-PRO-POWER-PER

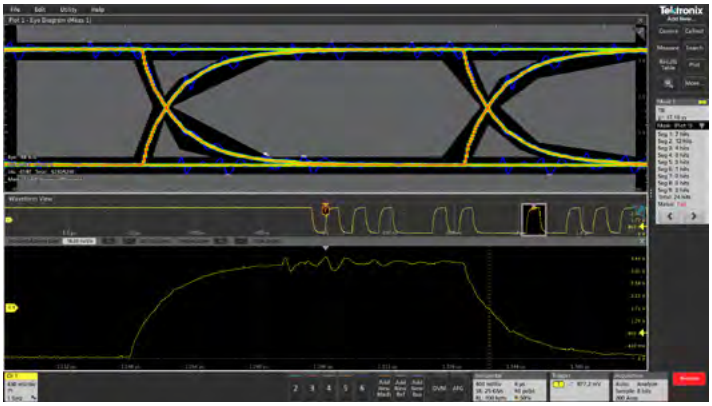
1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | SIGNAL INTEGRITY

Essential tools for engineers validating and troubleshooting high-speed clocks and data lines. Quickly measure and deconstruct jitter. Automatically evaluate signal shapes and measurement limits with mask and limit testing.



Get a fast overview of jitter with the jitter summary measurement.



Mask and limit tests automate pass / fail signal testing.

Included	Description	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●
5-RL-125M	Extend record length to 125 million sample points per channel	●	
6-RL-2	Extend record length to 250 million sample points per channel		●
DBDDR3	DDR3/LPDDR3 analysis and debug solution		●
DBLVDS	Automated LVDS test solution*	●	●
DJA	Advanced jitter analysis	●	●
MTM	Mask and limit testing	●	●
PAM3	PAM3 signal analysis*	●	●
	1 YR Licenses	5-PRO-SIGNAL-1Y	6-PRO-SIGNAL-1Y
	Perpetual Licences	5-PRO-SIGNAL-PER	6-PRO-SIGNAL-PER

*Requires optional solid-state drive with Windows operating system (5-WIN / 6-WIN)

1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | STANDARDS COMPLIANCE

Includes all currently available compliance options for your Windows®-equipped 5 or 6 Series MSO. All standards use the TekExpress engine for flexible configuration, full instrument control, informative prompts and comprehensive reporting.

Run all tests specified in the standard, or selected tests. Automatic report generation gives you a jump on documentation.

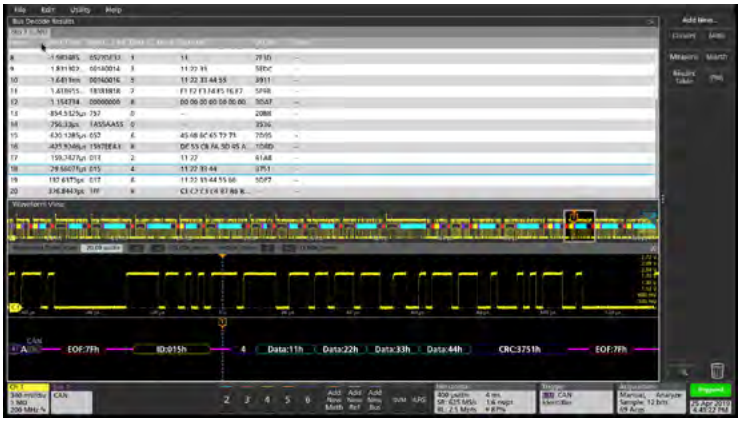
Included	Description	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●
5-RL-125M	Extend record length to 125 million sample points per channel	●	
6-RL-2	Extend record length to 250 million sample points per channel		●
CMENET	Ethernet (10/100/1000BASE-T) compliance testing*	●	●
CMENETML	Multilane Ethernet (10BASE-T, 100BASE-T, 1000BASE-T) option for CMENET*	●	●
CMINDUEN10	Industrial Ethernet (10BASE-T1L Long reach) automated compliance testing*	●	●
CMUSB2	USB2 automated compliance testing*	●	●
CMDDR3	DDR3 automated compliance testing*		●
CMDPHY	DPHY-Tx 1.2 automated compliance testing*		●
CMNBASET	NBASE-T automated compliance testing*		●
CMXGBT	XGbT automated compliance testing*		●
DBDDR3	DDR3/LPDDR3 analysis and debug*		●
	1 YR Licenses	5-PRO-COMPL-1Y	6-PRO-COMPL-1Y
	Perpetual Licences	5-PRO-COMPL-PER	6-PRO-COMPL-PER

*Requires optional solid-state drive with Windows operating system (5-WIN / 6-WIN)

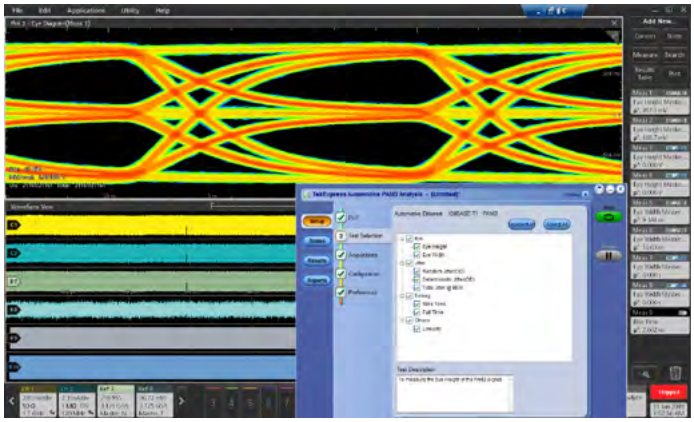
1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | AUTOMOTIVE

Especially for ECU designers, this bundle provides outstanding system visibility for validations and troubleshooting. It includes support for important automotive protocols, and serial standards compliance testing and debugging.



Automated decoding and triggering speeds debug.



Unique signal separation for Automotive Ethernet on 5 & 6 Series MSOs.

Included	Description	4 Series MSO	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●	●
4-RL-1	Extend record length to 62.5 million sample points per channel			
5-RL-125M	Extend record length to 125 million sample points per channel		●	
6-RL-2	Extend record length to 250 million sample points per channel			●
AUTOEN-SS	Signal separation for 100BASE-T1 and 1000BASE-T1 signals*		●	●
CMAUTOEN	Automotive Ethernet (100BASE-T1, 1000BASE-T1) automated compliance testing*		●	●
CMAUTOEN10	Automotive Ethernet (10BASE-T1S Short Reach) automated compliance testing*		●	●
CMDPHY	DPHY-Tx 1.2 automated compliance testing*			●
DJA	Advanced jitter analysis		●	●
IMDA	3-phase inverters, motors and drives analysis		●	●
IMDA-DQ0	DQ0 measurements for IMDA		●	●
PAM3	PAM3 signal analysis*		●	●
SRAUTO	Automotive serial triggering and analysis (CAN, CAN FD, LIN, FlexRay)	●	●	●
SRAUTOEN1	100BASE-T1 protocol decode		●	●
SRAUTOSEN	SENT serial decoding and analysis	●	●	●
SRI3C	I3C serial decoding and analysis	●	●	●
SRNRZ	NRZ serial decoding and analysis	●	●	●
PSI5	PSI5 serial triggering and analysis	●	●	●
	1 YR Licenses	4-PRO-AUTO-1Y	5-PRO-AUTO-1Y	6-PRO-AUTO-1Y
	Perpetual Licences	4-PRO-AUTO-PER	5-PRO-AUTO-PER	6-PRO-AUTO-PER

*Requires optional solid-state drive with Windows operating system (5-WIN / 6-WIN)

1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Pro Bundle | AEROSPACE

Includes serial bus decoding for protocols used in the aerospace industry, as well as support for generic encoding schemes such as NRZ and Manchester. Mask and limit testing make it easy to automate testing of unique signals.

Gain fast visibility into aerospace systems.

Included	Description	4 Series MSO	5 Series MSO	6 Series MSO[1]
Starter Bundle	Embedded serial decode/trigger and integrated AFG (See page 3 for details.)	●	●	●
4-RL-1	Extend record length to 62.5 million sample points per channel	●		
5-RL-125M	Extend record length to 125 million sample points per channel		●	
6-RL-2	Extend record length to 250 million sample points per channel			●
DJA	Advanced jitter analysis		●	●
MTM	Mask and limit testing	●	●	●
SRAERO	Aerospace serial bus triggering and analysis (MIL-STD-1553, ARINC 429)	●	●	●
SRMANCH	Manchester serial decoding and analysis	●	●	●
SRNRZ	NRZ serial bus decoding and analysis	●	●	●
SRSPACEWIRE	SpaceWire serial bus decoding and analysis	●	●	●
	1 YR Licenses	4-PRO-MILGOV-1Y	5-PRO-MILGOV-1Y	6-PRO-MILGOV-1Y
	Perpetual Licences	4-PRO-MILGOV-PER	5-PRO-MILGOV-PER	6-PRO-MILGOV-PER

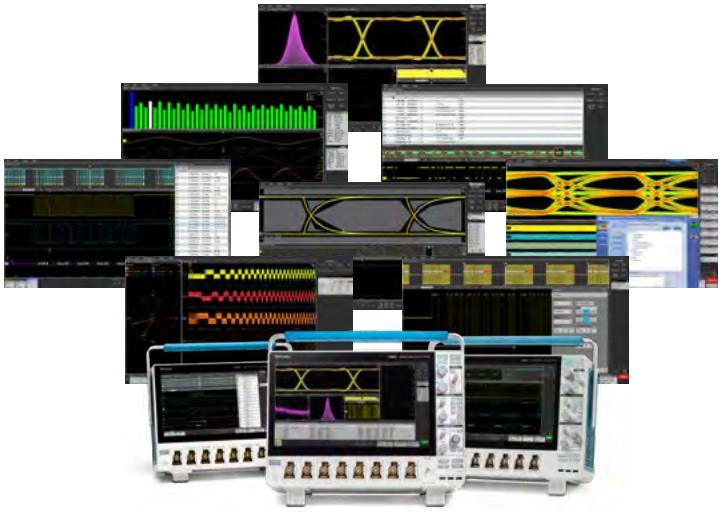
1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

Ultimate Bundle

The Ultimate Bundle offers the most capabilities and the highest savings in a single package.

It includes:

- All the capabilities of the Starter Bundle, including embedded serial decode/trigger and integrated AFG
- All the capabilities of **ALL Pro Bundles**
- Increased record length on the 5 and 6 Series MSOs, – 500 Mpoints on the 5 Series MSO or 1 Gpoints on the 6 Series MSO.
- Wideband, synchronized spectrum analysis
  - Spectrum View RF vs. time waveforms and triggering
  - Expanded spectrum capture bandwidth
- Video triggering



Included	Description	4 Series MSO	5 Series MSO	6 Series MSO[1]
Starter Bundle	4, 5 or 6[1] Series MSOs equipped with a Starter Bundle will be able to decode and trigger on I^{2}C, SPI, RS-232/422/485/UART bus activity. An integrated arbitrary/function generator with 13 predefined functions and arbitrary waveforms are included.	●	●	●
ALL Pro Bundles	Serial Decode	●	●	●
	Power	●	●	●
	Signal Integrity		●	●
	Standards Compliance		●	●
	Automotive	●	●	●
	Aerospace	●	●	●
These Addional Features	Spectrum View RF vs Time waveforms and triggering	●	●	●
	Extended Spectrum View capture bandwidth	●	●	●
	Video triggering	●	●	●
	Extend record length to 500 Mpoints per channel		●	
	Extend record length to 1 Gpoints per channel			●
	1 YR Licenses	4-ULTIMATE-1Y	5-ULTIMATE-1Y	6-ULTIMATE-1Y
	Perpetual Licences	4-ULTIMATE-PER	5-ULTIMATE-PER	6-ULTIMATE-PER

1. Currently available on 6 Series MSO. Coming soon on the new 6 Series B MSO.

For more information, pricing, and to determine which Application Bundle is right for your needs please contact your local Tektronix account manager.

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