

Step 3: Select application modules and accessories

Application modules	<p>Application modules are purchased as stand-alone products and can be purchased at the time of initial MDO3000 purchase or at any future time. The optional application modules functionality is offered free for a 30-day trial period. This free trial period starts automatically when the instrument is powered on for the first time.</p> <p>Application modules have licenses which can be transferred between an application module and an oscilloscope. The license may be contained in the module; allowing the module to be moved from one instrument to another. Or, the license can be contained in the oscilloscope; allowing the module to be removed and stored for safekeeping. The license can be transferred back to the module for use in another MDO3000 oscilloscope. Transferring the license to an oscilloscope and removing the module permits the use of more than two applications simultaneously.</p>
MDO3BND	<p>Application module that enables all of the functionality of the MDO3AERO, MDO3AUDIO, MDO3AUTO, MDO3COMP, MDO3EMBD, MDO3FLEX, MDO3LMT, MDO3PWR and MDO3USB application modules in a single module. Save money when multiple serial bus debug and analysis application modules are required and easily move the entire set of functionality from one instrument to another.</p>
MDO3AERO	<p>Aerospace Serial Triggering and Analysis Module. Enables triggering on packet-level information on MIL-STD-1553 buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information.</p> <p>Signal Inputs - Any Ch1 - Ch4, Math, Ref1 - Ref4</p> <p>Recommended Probing - Differential or single ended (only one single-ended signal required)</p>
MDO3AUDIO	<p>Audio Serial Triggering and Analysis Module. Enables triggering on packet-level information on I²S, LJ, RJ, and TDM audio buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information.</p> <p>Signal Inputs - Any Ch1 - Ch4, any D0 - D15</p> <p>Recommended Probing - Single ended</p>
MDO3AUTO	<p>Automotive Serial Triggering and Analysis Module. Enables triggering on packet-level information on CAN and LIN buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information.</p> <p>Signal Inputs – CAN or LIN: Any Ch1 - Ch4, any D0 - D15</p> <p>Recommended Probing - CAN: Single ended or differential; LIN: Single ended</p>
MDO3COMP	<p>Computer Serial Triggering and Analysis Module. Enables triggering on packet-level information on RS-232/422/485/UART buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information.</p> <p>Signal Inputs - Any Ch1 - Ch4, any D0 - D15</p> <p>Recommended Probing - RS-232/UART: Single ended; RS-422/485: Differential</p>
MDO3EMBD	<p>Embedded Serial Triggering and Analysis Module. Enables triggering on packet-level information on I2C and SPI buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information.</p> <p>Signal Inputs - I²C or SPI: Any Ch1 - Ch4, any D0 - D15</p> <p>Recommended Probing - Single ended</p>
MDO3FLEX	<p>FlexRay Serial Triggering and Analysis Module. Enables triggering on packet-level information on FlexRay buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, packet decode tables with time-stamp information.</p> <p>Signal Inputs - Any Ch1 - Ch4 (and any D0 - D15 when MDO3MSO option is installed; single-ended probing only)</p> <p>Recommended Probing - Single ended or differential</p>
MDO3USB	<p>USB Serial Triggering and Analysis Module. Enables triggering on packet-level content for low-speed, and full-speed USB serial buses. Also enables analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information for low-speed, full-speed, and high-speed USB serial buses.</p> <p>Signal Inputs - Low-speed and Full-speed: Any Ch1 - Ch4, any D0 - D15; Low-speed, Full-speed, and High-speed: Any Ch1 - Ch4, Math, Ref1 - Ref4</p> <p>Note: High-speed decode support only available on 1 GHz models.</p> <p>Recommended Probing - Low-speed and Full-speed: Single ended or differential; High-speed: Differential</p>

MDO3PWR	Power Analysis Application Module. Enables quick and accurate analysis of power quality, switching loss, harmonics, safe operating area (SOA), modulation, ripple, and slew rate (dI/dt, dV/dt).
MDO3LMT	Limit and Mask Testing Application Module. Enables testing against limit templates generated from "golden" waveforms and mask testing using custom masks.

Recommended accessories

Probes

Tektronix offers over 100 different probes to meet your application needs. For a comprehensive listing of available probes, please visit www.tektronix.com/probes.

TPP0250	250 MHz, 10X TekVPI® passive voltage probe with 3.9 pF input capacitance
TPP0500B	500 MHz, 10X TekVPI® passive voltage probe with 3.9 pF input capacitance
TPP0502	500 MHz, 2X TekVPI® passive voltage probe with 12.7 pF input capacitance
TPP0850	2.5 kV, 800 MHz, 50X TekVPI® passive high-voltage probe
TPP1000	1 GHz, 10X TekVPI® passive voltage probe with 3.9 pF input capacitance
TAP1500	1.5 GHz TekVPI® active single-ended voltage probe
TAP2500	2.5 GHz TekVPI® active single-ended voltage probe
TAP3500	3.5 GHz TekVPI® active single-ended voltage probe
TCP0020	50 MHz TekVPI® 20 Ampere AC/DC current probe
TCP0030A	120 MHz TekVPI® 30 Ampere AC/DC current probe
TCP0150	20 MHz TekVPI® 150 Ampere AC/DC current probe
TDP0500	500 MHz TekVPI® differential voltage probe with ± 42 V differential input voltage
TDP1000	1 GHz TekVPI® differential voltage probe with ± 42 V differential input voltage
TDP1500	1.5 GHz TekVPI® differential voltage probe with ± 8.5 V differential input voltage
TDP3500	3.5 GHz TekVPI® differential voltage probe with ± 2 V differential input voltage
THDP0200	± 1.5 kV, 200 MHz TekVPI® high-voltage differential probe
THDP0100	± 6 kV, 100 MHz TekVPI® high-voltage differential probe
TMDP0200	± 750 V, 200 MHz TekVPI® high-voltage differential probe

Accessories

TPA-N-PRE	Preamplifier, 12 dB nominal Gain, 9 kHz - 6 GHz
TPA-N-VPI	N-to-TekVPI adapter
119-4146-00	Near field probe set, 100 kHz - 1 GHz
119-6609-00	Flexible monopole antenna
077-0981-xx	Service manual (English only)
TPA-BNC	TekVPI® to TekProbe™ BNC adapter
TEK-DPG	TekVPI Deskew pulse generator signal source
067-1686-xx	Power measurement deskew and calibration fixture
SignalVu-PC-SVE	Vector Signal Analysis Software