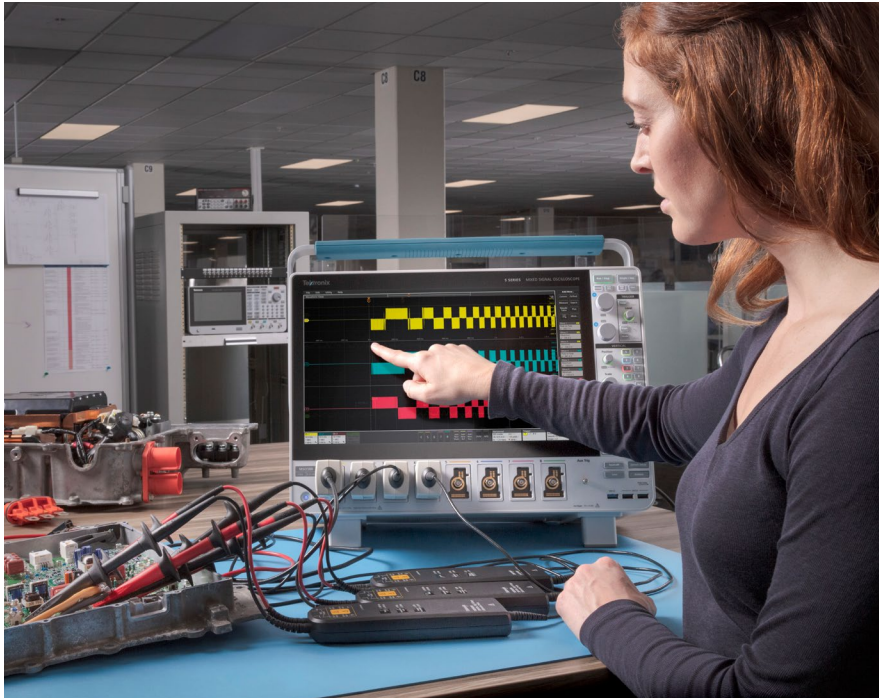
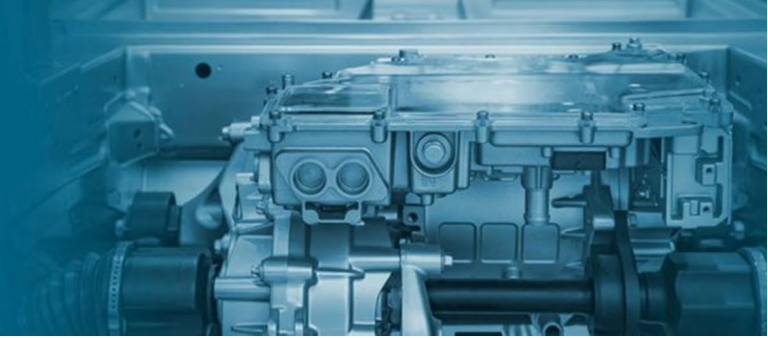


Electric Vehicle Traction Inverter Testing Solution



Our most-recommended oscilloscope solution for traction inverter and motor analysis, preconfigured as a single line item

This high-performance solution enables fast and accurate analysis of the complex and dynamic PWM output of traction inverters, assisting engineers in optimizing traction system efficiency and reliability.

Increase your system performance and lower your time-to-market with:

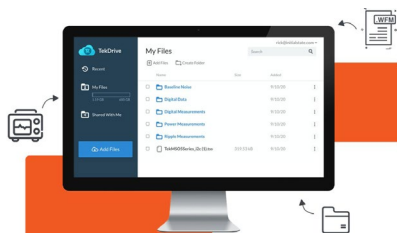
- 3-phase PWM analysis software including mechanical and DQ0 measurements
- Serial protocol decoding for common vehicle protocols like CAN, LIN, and SENT
- Arbitrary Function Generator for injecting signals
- PC-based remote control for operating at a safe distance from high-voltage and rotating devices

Inverter, Motor and Drive Analysis software on the 5 Series B mixed signal oscilloscopes simplifies triggering on PWM outputs and setting up 3-phase measurements. Phasor diagrams allow designers to quickly recognize and debug 3-phase electrical problems.

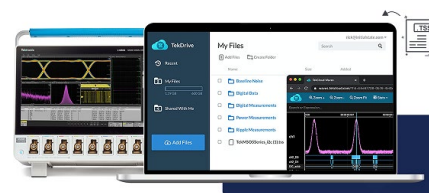
The IMDA application on the 5 Series B MSOs supports a unique DQ0 measurement that gives engineers key insight into controllers. It mathematically computes D and Q from the inverter's output and displays these control parameters in real-time.

Decoding mechanical sensor signals enables analysis of speed, acceleration, direction, angle and torque. Plotting measurements over time shows dynamic mechanical and electrical behavior simultaneously.

Your investment is protected with three years of software updates, calibration and warranty.



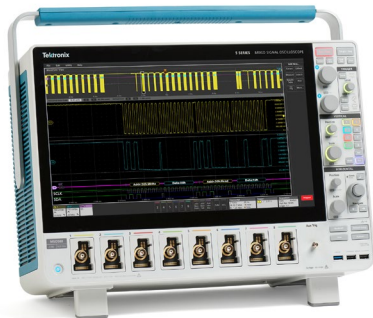
With TekScope PC Analysis Software your teams' PCs become an extension of the scope with the same analysis and measurement features.



TekDrive oscilloscope-specific cloud storage enables seamless collaboration between co-workers and teams anywhere in the world.

SOLN-IMDA-EV

Oscilloscope Solution for Electric Vehicle Traction Inverter and Motor Analysis



MSO58B

SOLN-IMDA-EV includes:

5 Series B MSO oscilloscope, equipped with

- 1 GHz bandwidth
- 8 input channels
- 125 Mpoints record length
- Built-in 100 MHz arbitrary / function generator
- More than 10 serial bus decoders
- IMDA, IMDA-MECH and IMDA-DQ0 software for automated analysis of inverters and motors
- Automotive application bundle (5-PRO-AUTO) with 3 years of updates

Probes

- Eight TPP1000 1 GHz 10X probes
- One TLP058 8-channel 500 MHz logic probe
- Three TCP0030A 30 Amp AC/DC Current Probes
- Three THDP0200 1500 V Differential Voltage Probes

Collaboration and Analysis Software

- TekDrive oscilloscope-specific cloud storage for seamless collaboration – with up to 10 simultaneous connections (6 seats for 3 years)
- TekScope PC Analysis Software – your teams' PCs become an extension of the scope with the same analysis and measurement features (6 seats for 3 years)

3 years of worry-free software upgrades, calibration and protection

- 3-year calibration service. Includes traceable calibration or functional verification where applicable, for recommended calibrations.
- 3-year Total Product Protection/Extended Warranty, includes repair or replacement coverage from wear and tear, accidental damage, ESD or Electrical Over-stress.



THDP0200
(3 each)



TCP0030A
(3 each)



TLP058



TPP1000
(8 each)

Contact your Tektronix account manager to request a quote or demonstration

ORDERING INFORMATION

SOLN-IMDA-EV

Oscilloscope System for EV Traction Inverter and Motor Analysis

