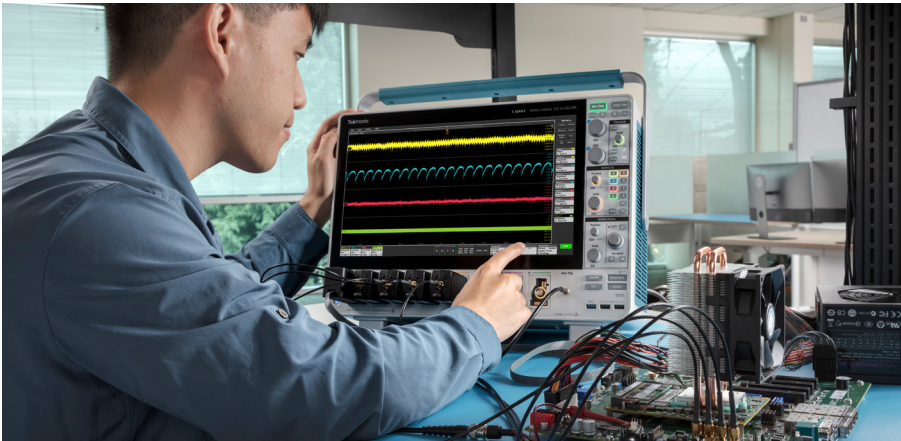


Power Distribution Network and Power Rail Measurement Solution



Processors, DSPs, FPGAs, SoCs and analog signal chains all depend on quiet, stable and responsive power rails. This system includes a 5 or 6 Series B MSO oscilloscope with recommended probes and analysis software, enabling engineers to validate and debug essential power distribution networks (PDNs).

The 5 and 6 Series B MSOs offer up to 8 high-resolution measurement inputs to accurately measure complex PDNs. An 8-channel logic probe adds even more visibility. A power rail probe offers excellent noise visibility with low loading. Current and differential voltage probes enable measurements on bulk power supplies and power converters.

Analysis software helps measure and

- Determine the sources of power rail ripple
- Validate power supply sequencing
- Check for power rail induced jitter
- Perform frequency response analysis on power distribution networks

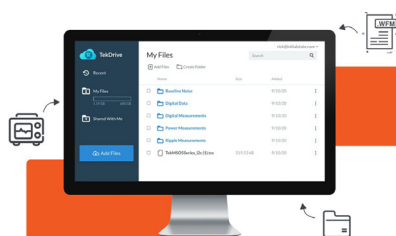
Your investment is protected with three years of software updates, calibration and warranty are included in the solution.

Our most-recommended oscilloscope solutions for power distribution and power integrity analysis, preconfigured as a single line item

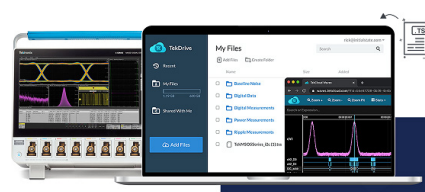
These solutions offer excellent performance for designing and debugging power distribution networks – ensuring the highest levels of power integrity. Two versions are available, each built around a 1 GHz or 4 GHz oscilloscope to fit your technical requirements and budget.

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

- On-scope analysis of essential and advanced power measurements
- Serial protocol decoding for all major protocols including I²C, SPI, SMBus, SPMI and SVID
- Arbitrary function generator for injecting signals
- Power rail probe with low loading and low noise contribution for high accuracy measurements



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-PMIC

Oscilloscope Solution for Power Distribution Network and Power Rail Analysis



MSO58B or MSO64B



TPR1000 or TPR4000
Power Rail Probe



TCP0030A



TLP058

SOLN-PMIC is available in two bandwidth versions.

1 GHz version 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
- 5-Pro-PMIC software for automated analysis of power rails and power supplies

4 GHz version includes:

6 Series B MSO oscilloscope, equipped with

- 4 GHz bandwidth
- 4 input channels
- 250 Mpoints record length
- Built-in 100 MHz arbitrary / function generator
- More than 10 serial bus decoders
- 6-Pro-PMIC software for automated analysis of power rails and power supplies

Both systems include:

Probes

- Eight TPP1000 1 GHz 10X probes
- One TLP058 8-Channel 500 MHz logic probe
- One TPR1000 1 GHz bandwidth power rail probe (with 5 Series B MSO) or
- One TPR4000 4 GHz bandwidth power rail probe (with 6 Series B MSO)
- One TDP1000 high voltage differential probe
- One TCP0030A 30-amp current probe

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.

Contact your Tektronix account manager to request a quote or demonstration.

ORDERING INFORMATION

SOLN-PMIC

Solution for characterization of PMIC (includes oscilloscope, probes, applicable accessories, analysis software, calibration, extended warranty, pc analysis and cloud storage). Specify 5 or 6 Series B MSO.

Impedance measurements on power distribution networks require isolation and signal splitters. Picotest offers specialized products for PDN analysis, such as:

- Picotest Active Splitter P/N J2161A
- Picotest Common Mode Transformer P/N J2102B

