

# Switch Mode Power Testing

## Using Infiniium EXR-Series Oscilloscopes

Power analysis software in EXR-Series oscilloscopes provides quick and easy automatic testing of inputs, outputs, efficiency, switching devices, and frequency response analysis for your switch mode power supply (SMPS).

Knowing what to order for your switch mode power application can be daunting, so we have simplified the task by suggesting the components you need to perform power-related measurements with EXR-Series oscilloscopes.

Use the following hardware, software, probes, and accessories to perform your SMPS measurements:

Suggested Oscilloscope and Hardware Options	
EXR058A	500 MHz bandwidth, 8-channel oscilloscope
EXR2WAV	50 MHz arbitrary waveform generator
Suggested Software Options	
D9010PWRA	Power supply test software
D9010LSSP	Low-speed protocol decode/trigger software
Suggested Probes and Accessories	
U1880A	Power measurement deskew fixture
N2790A	50:1/500:1, 100 MHz, high-voltage differential probe
10076C	100:1, 3.7 kV-peak, 500-MHz high-voltage probe
N7026A	150 MHz high-sensitivity current probe

For more information, contact an authorized distributor or visit:

[www.keysight.com/find/exr](http://www.keysight.com/find/exr)



### Switch Mode Power

Switch mode power supplies have surpassed linear power supplies by their efficiency and functionality, as well as their convenient size.

Switch mode power analysis allows a multitude of power related measurements such as input analysis, switching analysis, output analysis and frequency response analysis.