

NEW! DSA815

# Spectrum Analyzer

Our new analyzer with all-digital IF technology redefines the product category!

It's time to rethink your lab setup - because until now there's never been a spectrum analyzer that offered so much performance at a price you'd normally think of for an oscilloscope! The DSA815 Spectrum Analyzer covers a frequency range of 9 kHz to 1.5 GHz and features a compact design and easy-to-use interface, making it ideal for benchtop or field apps in RF and wireless testing and production. Measure smaller signals with our digital IF filter that allows for narrower bandwidth settings and reduces displayed noise levels... and you can distinguish between signals with a frequency difference as little as 100 Hz. We include a wide range of standard functions including AM/FM demodulation and a preamplifier. And we offer some great options including an EMI filter and quasi-peak detector kit and a 1.5 GHz tracking generator.

Before your next compliance test, check out the DSA815... save one trip to the compliance lab and it pays for itself!



## Now get a Spectrum Analyzer at oscilloscope prices

- 9 kHz to 1.5 GHz Frequency Range
- Typical -135 dBm Displayed Average Noise Level (DANL)
- -80 dBc/Hz @10 kHz offset Phase Noise
- Total Amplitude Uncertainty <1.5 dB
- 100 Hz Minimum Resolution Bandwidth (RBW)

Check out the Best Value in Analyzers, [info-europe@rigoltech.com](mailto:info-europe@rigoltech.com) or visit [www.rigoltech.com](http://www.rigoltech.com)

**RIGOL**  
Beyond Measure

# EMC Pre-Compliance Instrumentation

## New DSA815 Spectrum Analyzer makes pre-compliance testing easier and more affordable than ever before!

It's time to rethink your EMI tests. A DSA815 Spectrum Analyzer can make the measurements R&D or test engineers need to check designs before the time and expense of a complete 3rd party verification. Save one extra trip to the compliance lab by finding a problem early and the instrument pays for itself. If your company has a dedicated EMC lab, make more efficient use of equipment and resources by adding affordable, easy-to-use spectrum analyzers for benchtop testing. Save consulting fees by finding issues sooner and identifying causes at the board or layout level instead of in a complete product verification test. Whether your EMC headache is the money and time spent at the EMC lab or the opportunity cost of reengineering work, Rigol's new DSA815 is your solution!

### DSA815 Spectrum Analyzer for Pre-Compliance Testing

- Less than the cost of a trip to the lab
- Make limit lines for the EMI tests you need
- Load correction tables for your antenna and connection
- Set scans as quickly as 10 ms for a first look
- Use RBWs down to 100 Hz to find error sources
- Add the EMI option to use the quasi-peak detector for even more accurate readings
- Add the VSWR and Tracking Generator options to characterize antennas, filters, and more
- Use multiple traces, setups, and math functions to compare signals
- Compact, lightweight design for portable benchtop measurements or site surveys without the cart
- Large, bright display with easy to use markers, peaks, and advanced measurements

### Add an EMC Pre-compliance kit

- Near Field Probe Set, Includes 3 H-Field Probes, 1 E-Field Probe, Cable and Adapter



Field Probe Set

### EMC software examples available including:

- Microsoft Excel sheets for creating limits and corrections
- Microsoft Excel sheet and LabVIEW example for collecting data

### Complementary instruments for EMC testing:

- Digital Oscilloscopes - DS4000 or DS6000 series high speed scopes to capture and verify ESD pulses. Measure low level signals in our high resolution mode.
- DG4162 Waveform Generator - create or emulate signals or noise
- Other Spectrum Analyzer models up to 3 GHz



DG4000 Waveform Generator



DS4000 Digital Oscilloscope

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