R&S Scope Rider: first portable, mobile-use oscilloscope with the performance of a lab instrument

Rohde & Schwarz is presenting the first handheld oscilloscope with the functionality and touch and feel of a state-of-the-art lab oscilloscope. The R&S Scope Rider combines five instruments in a compact format, and its rugged design makes it perfect for mobile installation and maintenance work. The instrument features isolated input and communications interfaces. It meets CAT IV standards and can carry out measurements on low-voltage installation sources up to 600 V.

Munich, January 4, 2016 — The R&S Scope Rider from Rohde & Schwarz is equally impressive in the lab and in the field. With an acquisition rate of 50,000 waveforms per second, a 10-bit A/D converter developed by Rohde & Schwarz and a maximum bandwidth of 500 MHz for the analog input channels, this portable oscilloscope clearly outperforms comparable instruments.

The R&S Scope Rider integrates five functions to offer a level of versatility not found in any other instrument. It is based on a high-performance oscilloscope featuring a precise digital trigger system, 33 automatic measurement functions, mask test and XY diagram mode. Plus, the R&S Scope Rider can function as a logic analyzer with eight additional digital channels, as a protocol analyzer with trigger and decoding capability, as a data logger and a digital multimeter. This wealth of functions makes it ideal for a wide range of tasks.

The handheld oscilloscope is the first to be equipped with a large-format capacitive touchscreen, allowing it to be operated as intuitively as a tablet PC. It also features large buttons for use with gloves and a practical multifunction wheel for convenient parameter adjustment. Users can confidently read their results at any time, as all measurement information is displayed in a clear, application-oriented manner on the brilliant screen.

Well prepared for harsh environments, the R&S Scope Rider’s IP51-certified housing offers protection from environmental hazards such as dust and dripping water. The handheld oscilloscope has passed all mechanical load tests in line with military standards. The fully isolated instrument offers maximum safety and meets the measurement category requirements defined in IEC 61010-1 for CAT IV up to 600 V and for CAT III up to 1000 V.
In addition to a microSD card, the instrument features USB and Ethernet ports for uncomplicated storage and transfer of measurement data. The R&S Scope Rider also has an integrated WLAN interface. This can be configured as a hotspot to allow the instrument to be remotely controlled via a smartphone, tablet PC or laptop. A simple web browser on the mobile device is all that is required. There is no need for additional software or apps.

With more than four hours of battery runtime, the 2.4 kg R&S Scope Rider offers users a high degree of flexibility during installation, maintenance and in emergency situations. The new handheld oscilloscope goes beyond traditional electrical engineering to serve a broad range of industries. Technicians and specialists can also use it to gain a clear understanding of the condition of electrical installations, systems and components. For everything from measurement data acquisition in industrial and manufacturing settings to repairing shipboard electrical drives and carrying out vehicle test drive analyses, the R&S Scope Rider is better suited to the needs of such tasks than any other oscilloscope in its class.

The R&S Scope Rider is available as a four-channel or a two-channel instrument, the latter with a digital multimeter, with bandwidths of 60 MHz, 100 MHz, 200 MHz, 350 MHz and 500 MHz. There will be trigger and decoding options available for I²C, SPI, UART, RS-232, RS-422 and RS-485 at the time of market introduction.

Rohde & Schwarz will give the first public demonstration of its R&S Scope Rider at the embedded world 2016 international trade fair in Nuremberg from February 23 to 25, 2016 (hall 4, booth 4-218). The R&S Scope Rider enhances the company’s Value Instruments portfolio of attractively priced, high-quality T&M equipment and will be available from Rohde & Schwarz and selected distribution partners under the product designation R&S RTH10xx. For more information visit: [http://www.2-minutes.com/](http://www.2-minutes.com/)

Press contacts:
Europe (headquarters): Christian Mokry, Phone: +49 89 4129 13052, E-mail: press@rohde-schwarz.com
North America: Pam Sanders, Phone: +1 410 910 7908, E-mail: pam.sanders@rsa.rohde-schwarz.com
Asia Pacific: Wen Shi Tong, Phone: +65 6 307-0029, E-mail: WenShi.Tong@rohde-schwarz.com

Contacts for readers:
Customer Support Europe, Africa, Middle East: +49 89 4129 12345
customersupport@rohde-schwarz.com
Customer Support North America: +1 888 TEST RSA (+1 888 837 87 72)
customer.support@rsa.rohde-schwarz.com
Rohde & Schwarz
The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, cybersecurity, secure communications, radiomonitoring and radiolocation. Founded more than 80 years ago, this independent company has an extensive sales and service network and is present in more than 70 countries. The electronics group is among the world market leaders in its established business fields. On June 30, 2015, Rohde & Schwarz had approximately 9900 employees. The group achieved a net revenue of EUR 1.83 billion in the 2014/2015 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

R&S ® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

All press releases, including photos for downloading, are available on the Internet at https://www.press.rohde-schwarz.com.