

New R&S NGE100 compact power supply with variable channel switching and versatile overpower protection

Thanks to their state-of-the-art architecture, the new R&S NGE100 power supplies are very small, compact and quiet. The galvanically separated channels can be switched in series or in parallel to increase either the output voltage or the output power. The power supplies also offer configurable overload protection, a unique feature for instruments in the under EUR 1000 price class.

Munich, March 14, 2017 — Rohde & Schwarz introduces its new power supply series with the two-channel R&S NGE102 and the three-channel R&S NGE103. The robust instruments are easy to operate and are the perfect choice for a wide variety of applications, from education to R&D labs to manufacturing. Fan control ensures that they are quiet. The power supplies deliver up to 33.6 W output power per channel with low ripple. They offer a per-channel output voltage of up to 32 V and output current of up to 3 A.

The R&S NGE100 additionally features several convenient options not otherwise available in this price class. All channels are galvanically separated, earth free and electrically identical, so that even complex switching operations can be performed without grounding problems. Users can switch the channels in series or in parallel. Two channels switched in series deliver an output voltage up to 64 V, three channels up to 96 V. When the channels are switched in parallel, the instrument supplies a maximum of 6 A for two channels and 9 A for three.

Maximum values for current, voltage and power configurable for each channel

The R&S NGE100 provides very flexible protection options. Users can enter maximum values for voltage, current and power separately for each channel. The electronic fuses can also be linked with other channels. All linked channels will be switched off as soon as one of the linked channels reaches a limit. Users can define a delayed response time to prevent the power supply from switching off in the event of a short current spike.

Remote control for rack installation

The small, compact power supplies can be used on the benchtop or mounted in a 19" rackmount (with a rack adapter). They can be remote controlled via the integrated USB

interface or optionally via LAN or WLAN. A digital trigger option is also available. A key code activates the options.

Rohde & Schwarz will officially present the R&S NGE100 power supply series for the first time at embedded world 2017. This international trade fair takes place March 14 to 16, 2017 in Nuremberg. The power supplies are now available from Rohde & Schwarz and selected distribution channel partners with prices starting at EUR 650. For more information, visit www.rohde-schwarz.com/ad/press/nge100.

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Rohde & Schwarz

The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

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