



Enhancement of the Rohde & Schwarz RTH Basic Configuration and a Promotion on the RTH 200 MHz Models

Sales Circular – Company Confidential

Action	C - Inform sales and applications engineers		
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1 Enhancement of Rohde & Schwarz RTH Basic Configuration

The Rohde & Schwarz RTH portable and isolated oscilloscope has the capability to automatically store up to 5000 waveforms in a separate history buffer, which can be accessed at any point in time and further analyzed using the oscilloscope's full functionality. This post-analysis of waveforms is not available in any other oscilloscope of this class. Rohde & Schwarz would like its customers to make use of this History mode and segmented memory function, and will therefore include the RTH-K15 History and segmented memory option on all its Rhode & Schwarz RTH handheld oscilloscopes as a standard function. The addition of this feature closes a minor gap in the RTH's current standard configuration compared to competition, while offering a more powerful history functionality and far more superior capabilities as can be seen in the following 'Competitive Landscape' section.

The RTH-K15 History and segmented memory option will be included with all RTH orders starting **June 1st, 2021 without any increase in price. This is equivalent to savings of up to 18%.**

2 Time-limited Promotion on Rohde & Schwarz RTH 200 MHz Models

With the launch of the RTH-K15 History and segmented memory option as standard, we offer our customers a time-limited 20% promotional discount on the 200 MHz models. This promotion runs from June 1st, 2021 until March 1st, 2022.

Instrument	List price RTH, 200 MHz	Promotion price with 20% discount
RTH, 200MHz, 2 channel	4,040 EUR 4,905 USD	3,230 EUR 3,920 USD
RTH, 200MHz, 4 channel	5,520 EUR 5,730 USD	3,890 EUR 4,580 USD



3 Competitive Landscape

The R&S RTH is far more superior to its direct competitors, as can be seen in the table below.

Parameter	R&S®Scope Rider RTH	Fluke 190 Series II	Chauvin Arnoux OX 9000 series	Keysight U1600 series	Tek TPS2000 (bench scope)
Bandwidth	60 MHz, 100 MHz, 200 MHz, 350 MHz, 500 MHz	60 MHz, 100 MHz, 200 MHz, 500 MHz	60 MHz, 100 MHz, 300 MHz	100 MHz, 200 MHz	100 MHz, 200 MHz
Input channels	2 channels + multimeter, 4 channels	2 channels + multimeter, 4 channels	2, 4 channels, multimeter	2 channels + multimeter	2, 4 channels
Sampling rate (Max.)	5 Gsample/s	5 Gsample/s (only at 500 MHz)	2.5 Gsamples/s	2 Gsample/s	2 Gsamples/s
ADC resolution	10 bit	8 bit	12 bit	8 bit	8 bit
Input sensitivity	2 mV/div to 100 V/div	2 mV/div to 100 V/div	2.5 mV/div to 200 V/div	2 mV/div to 50 V/div	2 mV/div to 5 V/div
Memory (Max.)	500 ksampl per channel segmented memory mode: 50 Msampl	10 ksampl per channel	100 ksampl per channel	120 ksampl per channel (at 100 MHz) 2 Msampl (at 200 MHz)	2.5 ksampl per channel
History	Up to 5000 waveforms with full analysis possibilities	Up to 100 screenshots, no analysis possibilities	not available	not available	not available
Timebase range	1 ns/div to 500 s/div	1 ns/div to 4 s/div (at 500 MHz)	1 ns/div to 200 s/div	2 ns/div to 50 s/div (at 200 MHz)	
Acquisition rate	50,000 waveforms/s	<10 waveforms/s	not specified	~20 waveforms/s	
Trigger types	digital trigger system with 14 trigger types: edge, glitch, width, runt, slew rate, timeout, interval, window, pattern, state, data2clk, serial pattern, video (PAL, NTSC, SECAM, PAL-M, SDTV, HDTV)	4 trigger types: analog trigger system, edge, pulse width, video (PAL, PAL+, NTSC, SECAM, non-interlaced)	4 trigger types	8 trigger types: analog trigger system, edge, glitch, width, Nth edge, CAN, LIN, video (NTSC, SECAM, PAL, PAL-M, HDTV)	3 trigger types
Display	7" capacitive touch, 800 x 480 pixel	6", 320 x 240 pixel	7" capacitive touch, 800 x 480 pixel	5.7", 640 x 480 pixel	6", 320 x 240 pixel
Measurement category	CAT IV 600 V, CAT III 1000 V	CAT IV 600 V, CAT III 1000V	CAT IV 600 V, CAT III 1000 V	CAT III 600 V, CAT II 1000V	CAT III 300 V, CAT II 600V
Mixed signal functionality	8 logic channels (option)	not available	not available	not available	not available
Protocol trigger and decode	I2C, SPI, UART/RS-232, CAN/LIN, CAN-FD, SENT (option)	No	simple integrity test for serial buses	No	No

4 Ordering Information and Pricing

The following promotional prices apply to the 200 MHz models from **June 1st, 2021 until March 1st, 2022**. Please note that the order number is the same as the current base instrument, but with the RTH-K15 now included in every order. Stocking orders may be placed starting **May 1st, 2021**.

Type	Description	Order No.	End customer price (€)	End customer price (\$)
R&S®RTH1024	R&S®RTH1002 +RTH-B222: 200 MHz, 2 channels, R&S®RTH-K15 History and Segmented Memory	1317.5000P22	€4,040 € 3,230	\$4,905 \$ 3,920
R&S®RTH1022	R&S®RTH1004 +RTH-B242: 200 MHz, 4 channels, R&S®RTH-K15 History and Segmented Memory	1317.5000P24	€5,520 € 3,890	\$5,730 \$ 4,580

The order numbers of the remaining RTH models also remain the same. The RTH-K15 option will be added to the RTH without any increase in price.



5 Communication to Channel Partners

With the announcements in this sales circular, we kindly ask our channel partners to make the following updates on their RTH web content (including configurations) on June 1st, 2021:

- Update of the Rohde & Schwarz RTH description in order to reflect the enhancement of the Rohde & Schwarz RTH basic configuration with the RTH-K15 History and segmented memory option. This update would apply permanently.
- Price update of the 200 MHz Rohde & Schwarz RTH models (Order numbers 1317.5000P22 and 1317.5000P24) to reflect the promotional price. This price update would apply for a limited time from June 1st, 2021 until March 1st, 2022.

Please note that the following conditions apply to this promotion:

- The standard channel partner margins apply with this promotion.
- It's not possible to combine this promotion with other promotions or registration.

For channel partners with Rohde & Schwarz RTH stock units, we recommend selling these instruments by June 1st, 2021. In case of remaining instruments in stock, please contact your channel partner manager.

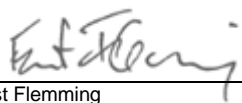
The updated sales and marketing will be available on the Rohde & Schwarz website in due time.

Please do not hesitate to contact us for any further questions.

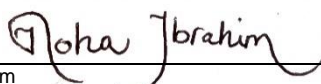
With best regards,

T&M Measurement Division

2021-02-25
Date


Dr. Ernst Flemming

2021-02-25
Date


Noha Ibrahim