


**ROHDE & SCHWARZ**

Make ideas real

# R&S®RTx-PK1: APPLICATION BUNDLE

## For R&S®RTB2000, R&S®RTM3000 and R&S®RTA4000 oscilloscopes



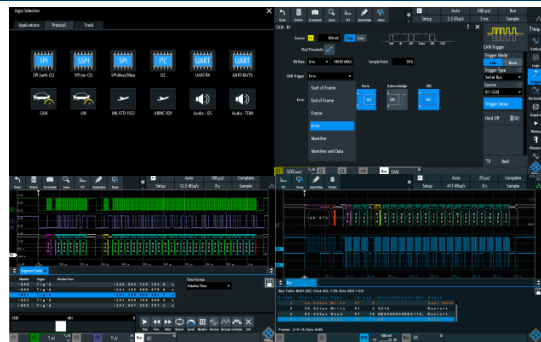
Key specifications	R&S®RTB-PK1	R&S®RTM-PK1	R&S®RTA-PK1	
<b>Trigger and decode</b>	I <sup>2</sup> C / SPI	-K1	-K1	-K1
	UART/RS-232/RS-422/RS-485	-K2	-K2	-K2
	CAN / LIN	-K3	-K3	-K3
	I <sup>2</sup> S / LJ / RJ / TDM	-	-K5	-K5
	MIL-STD-1553	-	-K6	-K6
	ARINC 429	-	-K7	-K7
	<b>History and segmented memory</b>	-K15	-K15	Standard
<b>Spectrum analysis and spectrogram</b>	-	-K37	-K37	
<b>Power analysis</b>	-	-K31	-K31	
<b>Frequency response analysis (Bode plot)</b>	-K36	-K36	-K36	
<b>Arbitrary waveform and 4 bit pattern generator</b>	-B6	-B6	-B6	

Benefits	
Full functions	You get the full functionality of all options for the R&S®RTB2000, R&S®RTM3000 and R&S®RTA4000 oscilloscopes at an excellent price
Attractive price	The R&S®RTx-PK1 application bundle offers a saving of <b>60% to 80%</b> compared to purchasing each option separately

### Customize your oscilloscope with the PK1 application bundle

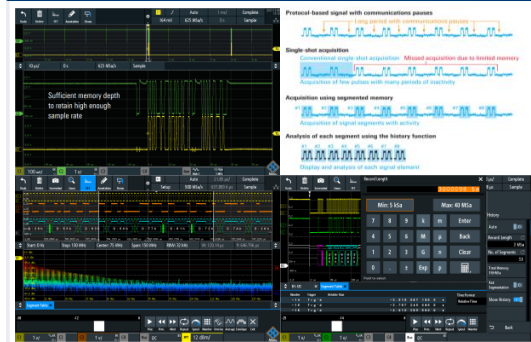
- ▶ The R&S®RTx-PK1 application bundle unlocks the rich functionality of Rohde & Schwarz oscilloscopes
- ▶ For a very attractive price, it offers all the software options – I<sup>2</sup>C, SPI, UART/RS-232/RS-422/RS-485, CAN, LIN, history and segmented memory, frequency response analysis (Bode plot) – as well as the arbitrary waveform generator and pattern generator hardware option
- ▶ On R&S®RTM3000 and R&S®RTA4000, it additionally includes triggering and decoding of serial buses – I<sup>2</sup>S/LJ/RJ/TDM, MIL-STD-1553 and ARINC 429 – as well as the spectrum analysis and power analysis options

### Serial protocol triggering and decoding options



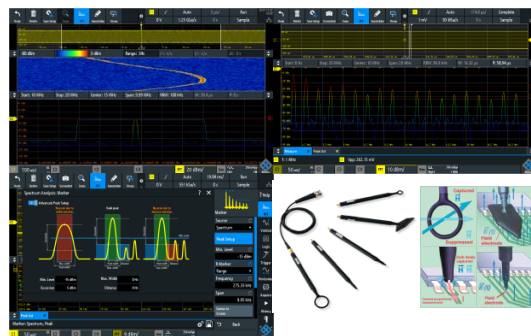
Protocols such as I<sup>2</sup>C, SPI and CAN/LIN frequently transfer control messages between integrated circuits. The R&S®RTB2000, R&S®RTM3000 and R&S®RTA4000 offer versatile options for protocol-specific triggering and decoding of serial interfaces.

### History and segmented memory



Analyze past acquisitions before the error occurred. The history function ensures that previous waveforms stored in memory can always be accessed. A trigger timestamp allows time correlation. You can view all saved signals and analyze them with tools such as zoom, measurement, math and spectrum analysis functions.

### Spectrum analysis and spectrogram



Difficult-to-find faults often result from the interaction between time and frequency signals. The R&S®RTx-K37 spectrum analysis and spectrogram option quickly finds such errors. Parameters such as center frequency and resolution bandwidth can be easily adapted to the specific measurement task. The oscilloscope automatically selects the relevant time domain settings.

### Frequency response analysis (Bode plot)



Easily and quickly analyze low frequency response on your oscilloscope with the R&S®RTx-K36 frequency response analysis (Bode plot) option. This option uses the oscilloscope's built-in waveform generator to create stimulus signals ranging in frequency from 10 Hz up to 25 MHz. Measuring the ratio of DUT signal input and output at each test frequency, the oscilloscope plots gain and phase logarithmically.

### Model configuration information

Base model	Order No.
R&S®RTB2002 oscilloscope, 70 MHz, 2 channels	1333.1005.02
R&S®RTB2004 oscilloscope, 70 MHz, 4 channels	1333.1005.04
R&S®RTM3002 oscilloscope, 100 MHz, 2 channels	1335.8794.02
R&S®RTM3004 oscilloscope, 100 MHz, 4 channels	1335.8794.04
R&S®RTA4004 oscilloscope, 200 MHz, 4 channels	1335.7700.04
Application bundle	Order No.
R&S®RTB-PK1 consists of the following options: -K1, -K2, -K3, -K15, -K36, -B6	1333.1092.02
R&S®RTM-PK1 consists of the following options: -K1, -K2, -K3, -K5, -K6, -K7, -K15, -K31, -K36, -K37, -B6	1335.8942.02
R&S®RTM-PK1US consists of the following options: -K1, -K2, -K3, -K5, -K6, -K7, -K15, -K31, -K36, -K37, -B6	1335.9190.02
R&S®RTA-PK1 consists of the following options: -K1, -K2, -K3, -K5, -K6, -K7, -K31, -K36, -K37, -B6	1335.7775.02
R&S®RTA-PK1US consists of the following options: -K1, -K2, -K3, -K5, -K6, -K7, -K31, -K36, -K37, -B6	1335.7998.02

All options can be retrofitted