

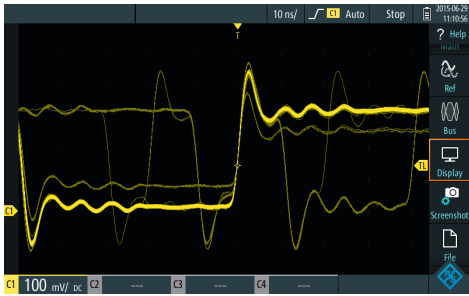
R&S® Scope Rider

versus

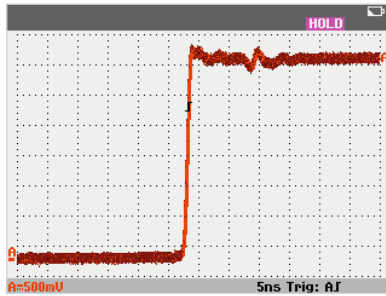
Fluke 190 Series II



R&S® Scope Rider detects signal faults which are not visible on the Fluke unit: Signal with 50 errors/s recorded with persistence for 30 s



7", capacitive touch, 800 × 480 pixel.

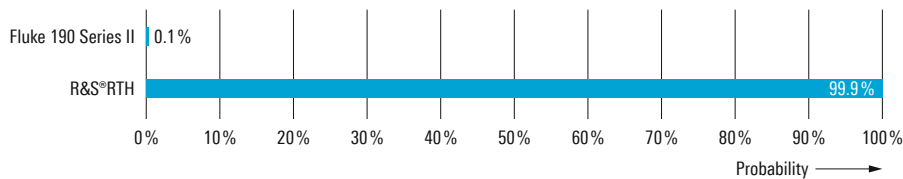


6", 320 × 240 pixel.

Faster: Discover infrequent signal faults

The high update rate of the R&S® Scope Rider considerably shortens the time to find rare unknown glitches, runts and other signal faults thus shortening the debugging time. Subsequently dedicated advanced triggers enabled by the digital trigger system, allow to pinpoint and thus solve identified problems.

Probability to detect a signal fault in 30 s at an error rate of 50/s



Parameter	R&S® Scope Rider	Fluke 190 Series II
Analog bandwidth (-3 dB)	60 MHz, 100 MHz, 200 MHz, 350 MHz, 500 MHz	60 MHz, 100 MHz, 200 MHz, 500 MHz
Input channels	2 channels + multimeter 4 channels	2 channels + multimeter 4 channels
Sampling rate (max.)	5 Gsample/s	5 Gsample/s (only at 500 MHz)
ADC resolution	10 bit	8 bit
Input sensitivity	2 mV/div to 100 V/div	2 mV/div to 100 V/div
Memory (max.)	500 ksample, data logger: 2 Msample, history: 12.5 Msample	10 ksample, data logger: 19 ksample
History	up to 5000 waveforms with full analysis possibilities	up to 100 screenshots
Timebase range	1 ns/div to 500 s/div	1 ns/div to 4 s/div (at 500 MHz)
Acquisition rate	50 000 waveforms/s	< 10 waveforms/s
Trigger types	digital trigger system, edge, glitch, width, runt, slew rate, timeout, interval, window, pattern, state, data2clk, serial pattern, video (PAL, NTSC, SECAM, PAL-M, SDTV, HDTV)	analog trigger system, edge, pulse width, video (PAL, PAL+, NTSC, SECAM, non-interlaced)
Display	7.0" capacitive touch 800 × 480 pixel	6", 320 × 240 pixel
Connectivity	2 USB (1 host, 1 device), LAN, WLAN, microSD, external trigger I/O, logic probe	2 USB (1 host, 1 device) external trigger I/O
Remote concept	universal web access	proprietary Windows software
Extensibility	trigger and decode, digital channels, wireless remote interface	-
Weight, with battery	2.4 kg	2 channels: 2.1 kg, 4 channels: 2.2 kg
Measurement Category	CAT IV 600 V, CAT III 1000 V	CAT IV 600 V, CAT III 1000 V

More instruments in one handheld package

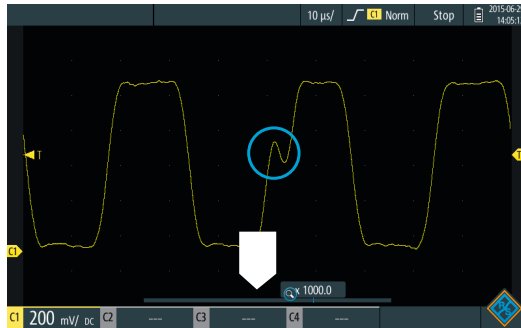
R&S®ScopeRider



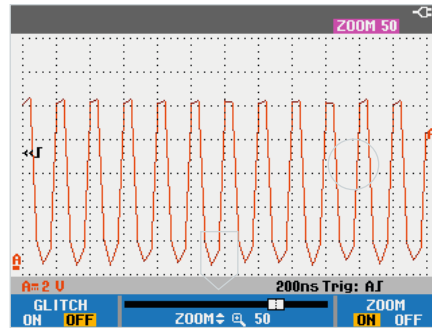
Fluke 190 Series II



Signal distortion on the edge of the waveform only discovered with the R&S® ScopeRider (blue circle)



Zoom details with high resolution.



Limited resolution for long recordings.

Deep memory for deep insight

Deep memory enables capturing long periods with maximum resolution. This allows inspecting signal details with high zoom factors (red rectangular) and finding signal faults even far away from the trigger point, as in the example above. Combined with a serial protocol analysis option it allows to capture a complete sequence of serial communication.



An integrated Wireless LAN module and webserver allows for easy remote control of the R&S®ScopeRider. The waveform display and user interface of the R&S®ScopeRider is directly available in the web browser, all settings can be changed on-screen. With no software installation required, the R&S®ScopeRider can be controlled from almost every portable device like a laptop, a tablet PC or even a mobile phone.

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R&S®ScopeRider

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