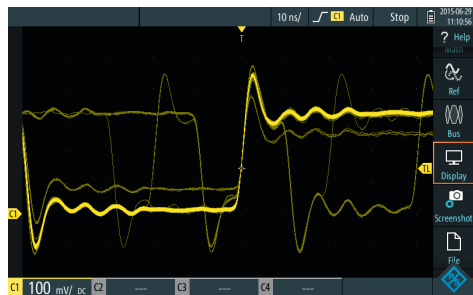


R&S® Scope Rider

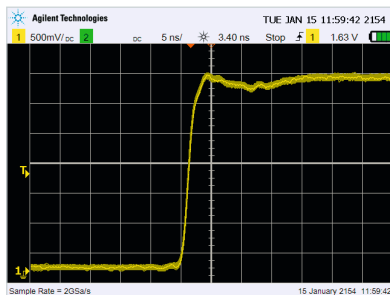
versus

Keysight Technologies U16XX

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



7", capacitive touch 800 x 480 pixel.

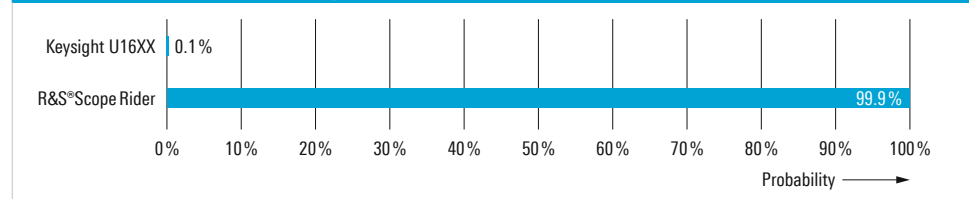


5.7", 640 x 480 pixel.

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



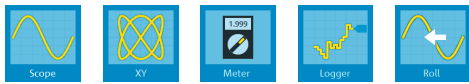
Parameter	R&S® Scope Rider	Keysight Technologies U16XX
Analog bandwidth (−3 dB)	60 MHz, 100 MHz, 200 MHz, 350 MHz, 500 MHz	100 MHz, 200 MHz
Input channels	2 channels + multimeter 4 channels	2 channels + multimeter
Sampling rate (max.)	5 Gsample/s	2 Gsample/s
ADC resolution	10 bit	8 bit
Input sensitivity	2 mV/div to 100 V/div	2 mV/div to 50 V/div
Memory (max.)	500 ksample, history: 12.5 Msample	120 ksample (at 100 MHz), 2 Msample (at 200 MHz)
Data Logger	23 days	8 days
History	up to 5000 waveforms with full analysis possibilities	not available
Timebase range	1 ns/div to 500 s/div	2 ns/div to 50 s/div (at 200 MHz)
Acquisition rate	50 000 waveforms/s	~20 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, glitch, width, Nth edge, CAN, LIN, video (NTSC, SECAM, PAL, PAL-M, HDTV)
Display	7.0", capacitive touch, 800 x 480 pixel	5.7", 640 x 480 pixel
Connectivity	2 USB (1 host, 1 device), LAN, WLAN, microSD, external trigger I/O, logic probe	2 USB (1 switchable host/device)
Remote concept	universal web access	proprietary Windows software
Extensibility	serial protocol, trigger and decode, digital channels, wireless remote interface	–
Operating time on battery	> 4 h	3 h
Measurement Category	CAT IV 600 V, CAT III 1000 V	CAT III 600 V, CAT II 1000 V

More instruments in one handheld package

R&S®ScopeRider



Keysight U16XX



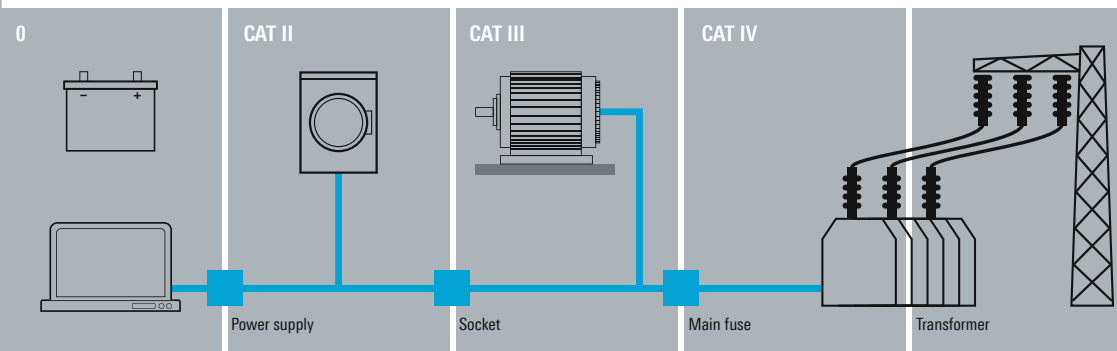
Maximum safety in all environments

R&S®ScopeRider

CAT IV 600 V/CAT III 1000 V

Keysight Technologies U16XX

CAT III 600 V/CAT II 1000 V



The probe design determines its area of application and the maximum rated voltage against protective ground.

Troubleshooting in industrial environments means measuring in all kinds of electrical environments. Debugging communications links at a modern production site can require analyzing low-voltage digital signals, as well as verifying power quality of a 380 V supply, or testing the power efficiency of electrical drives. The R&S®ScopeRider CAT IV 600 V rating provides this level of flexibility in a single device.

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R&S®ScopeRider

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An integrated Wireless LAN module and webservice 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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