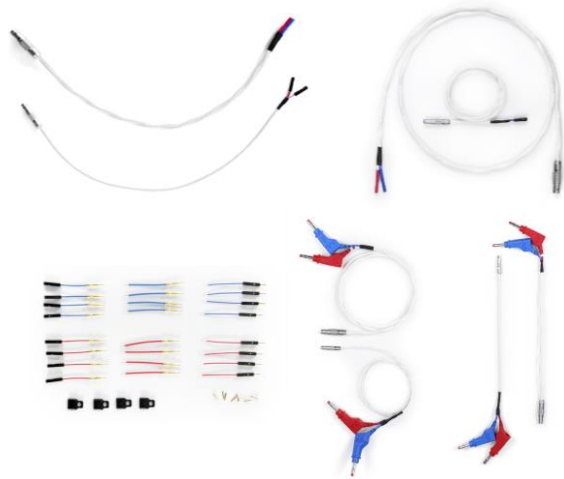


## Multi-channel power probe



The perfect choice for	
Evaluation of dynamic current profiles (sleep/active modes)	Multi-domain measurements (RF, digital and power)
IoT power consumption testing	Power sequencing verification

Key specifications	
Input channels	2/2 or 4/4 current/voltage
High dynamic range	18-bit ADC resolution
Bandwidth	1 MHz
Sample rate	5 Msample/s
Common mode input voltage range	±15 V

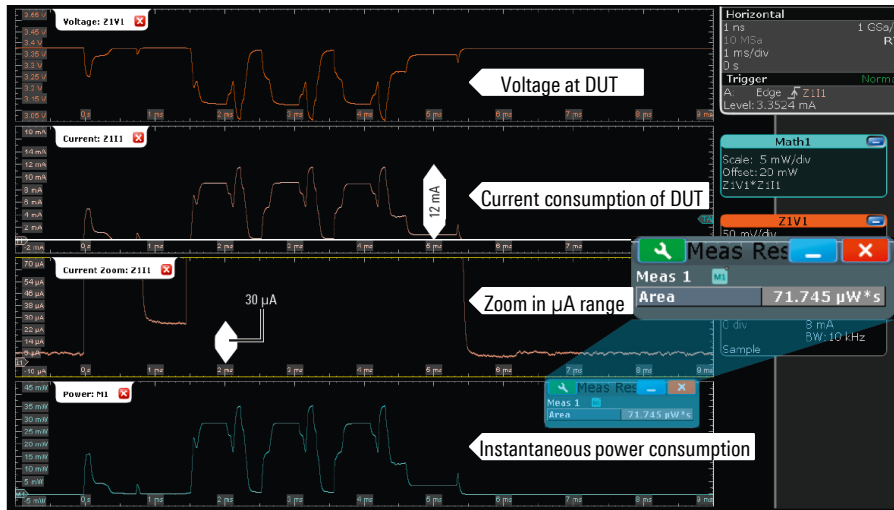
### Up to 20 input channels with very high dynamic range

Optimizing power consumption is critical for internet of things (IoT) devices and consumer electronics. The R&S®RT-ZVC is a multi-channel power probe that allows measurement of up to four voltage and four current channels with 18-bit resolution and very high dynamic range. With up to two R&S®RT-ZVC probes supported on a single R&S®RTE, R&S®RTO or R&S®RTP oscilloscope, it is possible to analyze eight high dynamic range voltage and eight high dynamic range current signals in parallel with additional signals captured by the oscilloscope.

Your benefit	Features
More input channels	Extend your four-channel oscilloscope with two R&S®RT-ZVC probes to achieve up to 20 independent input channels.
Optimizable input current range	Three built-in shunts and an external shunt mode in combination with switchable gain factors lets you optimize the input current range.
Flexible connectivity options	A broad variety of accessories helps to connect the multi-channel probe in typical embedded electronics measurement scenarios.

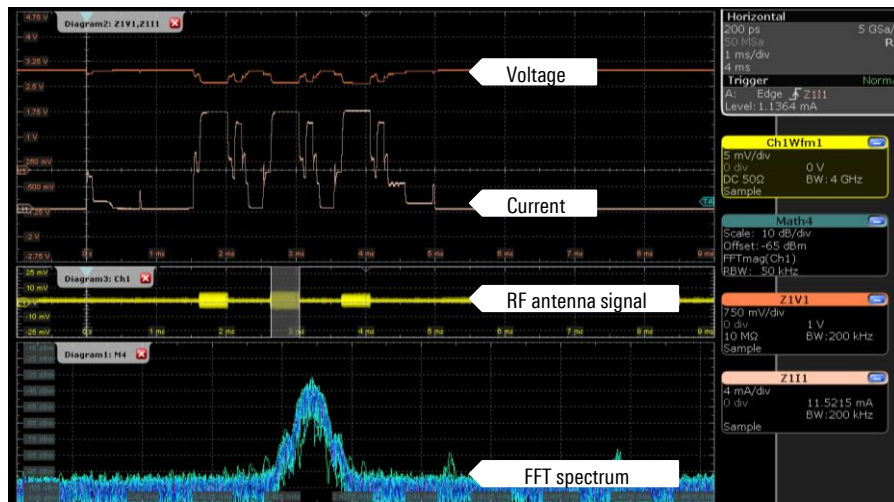
▶ For more information, visit <http://www.rohde-schwarz.com/multi-channel-power-probe>

## Very high dynamic range with 18-bit ADC resolution



The extraordinarily high dynamic range allows the measurement of both active state currents and sleep currents, in this example 12 mA and 30  $\mu\text{A}$ . Automated measurements make it possible to calculate the total energy consumption.

## Embedded electronics measurements in multiple domains



The multi-channel probe helps to correlate multi-domain measurements with high dynamic range, e.g. voltage, current, RF signals and power.

## Multi-channel power probes specifications

Current ranges	Shunt
$\pm 4.5 \mu\text{A}$ , $\pm 45 \mu\text{A}$	10 k $\Omega$
$\pm 4.5 \text{ mA}$ , $\pm 45 \text{ mA}$	10 $\Omega$
$\pm 4.5 \text{ A}$ , $\pm 10 \text{ A}$	10 m $\Omega$
$\pm 45 \text{ mV}$ , $\pm 450 \text{ mV}$ current depends on external shunt value	external
Voltage ranges	
$\pm 1.88 \text{ V}$	
$\pm 3.75 \text{ V}$	
$\pm 7.5 \text{ V}$	
$\pm 15 \text{ V}$	
Input impedance	
Voltage channels	10 M $\Omega$    48 pF
Current channels	1 M $\Omega$    shunt resistor
Order numbers	
R&S®RT-ZVC02 2 current and 2 voltage channels	1326.0259.02
R&S®RT-ZVC04 4 current and 4 voltage channels	1326.0259.04

Rohde & Schwarz representative