



# R&S®UDS DIGITAL MULTIMETERS

Built for accuracy, designed for ease



The R&S®UDS family of compact digital multimeters is engineered for both general purpose and production line environments. Renowned for versatility and precision, the multimeters can simultaneously display three measurement functions, streamlining test workflows. Beyond the standard 12 measurement functions, the multimeters have built-in statistical and mathematical functions and an intuitive user interface for smooth and efficient testing.



For options, prices and more information, visit [www.rohde-schwarz.com/UDS](http://www.rohde-schwarz.com/UDS)

**Ideal for:**

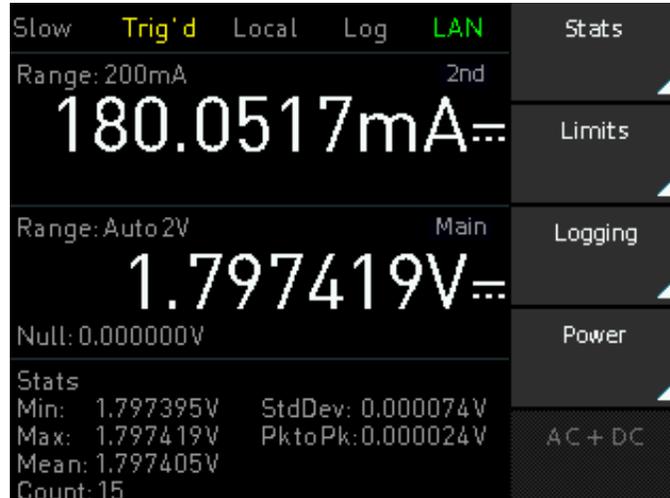
Engineering lab	General purpose
Production testing	Education

Key specifications	
Measurement range	DC to 100 kHz
Digit resolution	up to 6½ digits
Basic DC accuracy	0.0075 %
Resolution	100 nV, 10 nA, 0.1 mΩ, 0.1 pF, 1 Hz, 0.1 °C
Reading rate	up to 200 readings/s
Measurement counts	up to 2 000 000 counts

Your benefit	Features of the R&S®UDS
See more at a glance	<ul style="list-style-type: none"> <li>▶ Simultaneous display of three measurements (DC, AC and statistics)</li> <li>▶ QVGA color display for excellent readability</li> <li>▶ Limit testing directly on the display for easy minimum/maximum analysis</li> </ul>
Versatile functions	<ul style="list-style-type: none"> <li>▶ Mathematic functions</li> <li>▶ Built-in statistics</li> <li>▶ Two-wire and four-wire measurements</li> <li>▶ Limit testing</li> </ul>
Remote controllability	<ul style="list-style-type: none"> <li>▶ Remote control with SCPI based commands</li> <li>▶ Ethernet interface (LAN) with integrated web server</li> <li>▶ Driver packages</li> </ul>

## Simultaneous measurement display

Simultaneous display of three measurements, including DCI and ACI at the same time



## Ideal for industrial environments

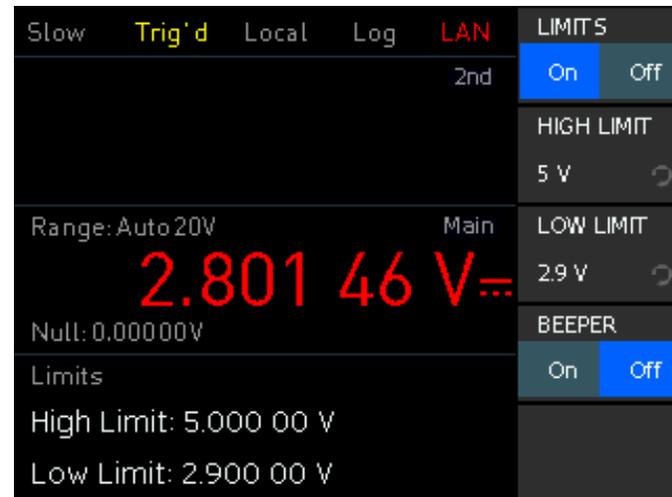
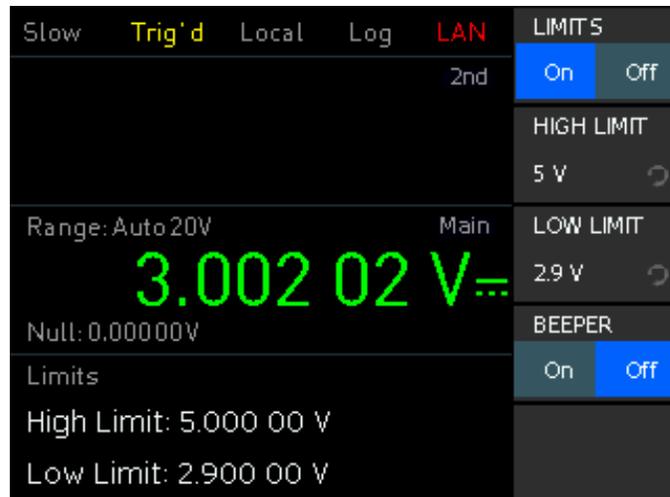
Easily fits into the R&S®HZC95 19" rackmount kit for production environments



Designation	Type
<b>Base unit</b>	
Digital multimeter, 5½	R&S®UDS500
Digital multimeter, 5½, with GPIB interface	R&S®UDS500-G
Digital multimeter, 6½	R&S®UDS600
Digital multimeter, 6½, with GPIB interface	R&S®UDS600-G
<b>Accessories</b>	
Silicon test lead, banana to banana, length: 1 m (set of 5, color: blue)	R&S®HZ10B
Silicon test lead, banana to banana, length: 1 m (set of 5, color: red)	R&S®HZ10R
Silicon test lead, banana to banana, length: 1 m (set of 5, color: black)	R&S®HZ10S
<b>System components</b>	
19" rack adapter, 2 U, for R&S®NGE100B/NGC100/NPA/UDS and R&S®HMC series	R&S®HZC95

## Limit testing

Programmable test functions ideal for minimum and maximum analyses



# APPLICATIONS

General purpose

Engineering lab

Production environment

## Rohde & Schwarz

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R&S®UDS Digital Multimeters

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