

# R&S<sup>®</sup> HM8118 LCR Bridge

## Universal, flexible and easy to use



### The perfect choice for

Engineering lab

Component validation

Production testing

General purpose

### Key specifications

|                       |  |
|-----------------------|--|
| Test frequencies      | 20 Hz to 200 kHz                             |
| Basic accuracy        | 0.05 %                                       |
| Measurement functions | L, C, R,  Z , X,  Y , G, B, D, Q, φ, Δ, M, N |
| Internal bias voltage | 0 V to +5 V                                  |
| Internal bias current | 0 mA to 200 mA                               |
| External bias voltage | 0 V to +40 V                                 |

### Key features

- Basic accuracy: 0.05 %
- Up to 12 measurements per second
- Parallel and serial mode
- Internal programmable voltage and current bias
- Kelvin cable and four-terminal SMD test adapter included
- R&S<sup>®</sup>HO118 binning interface (optional) for automatic sorting of components

### Your benefit

Versatile functionality, all usually needed measurements included

Easy to use

Easy to interface for remote control

Quiet on the bench

### Features

The R&S<sup>®</sup>HM8118 provides the full range of measurements to characterize resistors, capacitors and inductors; results are displayed in absolute, relative or average values

Frequently used functions are directly accessible via front panel keys

RS-232/USB interface; optional GPIB

Fanless design

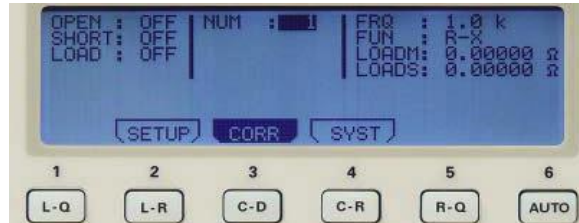
► For more information, see [www.rohde-schwarz.com/product/HM8118](http://www.rohde-schwarz.com/product/HM8118)

## Direct control



The most important parameters are adjustable with the push of a button.

## Ease of use



Activation and deactivation of OPEN, SHORT and LOAD correction.



## Comfortable

Equivalent circuit and range selection, either manual or automatic

## Save/Recall

Store and retrieve up to 10 instrument settings

## Trigger

Continuous, manual or external control via interface, binning interface or trigger input

## Complete

Internal voltage and current bias

## R&S®HO118 binning interface



The R&S®HO118 binning interface enables use with external hardware that sorts components by physical type after measurement. Data lines for eight sorting containers and control lines (ALARM, INDEX, EOM, TRIG).

## Ordering information

| Base unit          |            |
|--------------------|------------|
| Description        | Model      |
| 200 kHz LCR bridge | R&S®HM8118 |

| Options/accessories/system components                |           |
|--|-----------|
| Description  | Type      |
| Binning interface (service center installation only) | R&S®HO118 |
| Four-terminal test fixture including shorting plate  | R&S®HZ181 |
| Four-terminal transformer test cable                 | R&S®HZ186 |
| Interface IEEE-488 (GPIB)                            | R&S®HO880 |
| 19" rackmount kit, 2 HU                              | R&S®HZ42  |

### Included accessories:

The R&S®HM8118 LCR bridge includes R&S®HZ184 four-terminal Kelvin test cable, R&S®HZ188 four-terminal SMD component test fixture, operating manual, power cable and three-year warranty.



R&S®HZ181 4-terminal test fixture including shorting plate.



R&S®HZ186 4-terminal transformer test cable.

Rohde & Schwarz Representative

## Rohde & Schwarz GmbH & Co. KG

Europe, Africa, Middle East | +49 89 4129 12345  
 North America | 1 888 TEST RSA (1 888 837 87 72)  
 Latin America | +1 410 910 79 88  
 Asia Pacific | +65 65 13 04 88  
 China | +86 800 810 82 28 | +86 400 650 58 96  
 www.rohde-schwarz.com  
 customersupport@rohde-schwarz.com

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG  
 PD 5214.9415.32 | Version 01.00 | July 2017 (ks)  
 Trade names are trademarks of the owners  
 The R&S®HM8118 LCR Bridge/Meter  
 Data without tolerance limits is not binding | Subject to change  
 © 2017 Rohde & Schwarz GmbH & Co. KG | 81671 Munich, Germany