

R&S®ZZK-Case Transport Case Assembly Instruction



1179259002

Version 01

ROHDE & SCHWARZ

Make ideas real



The assembly instruction describes the handling of the transport case R&S ZZK-Case (1174.1443.02). As a transport aid you can use it for the following instruments with the specified dimensions (including front handles and feet):

- R&S®SMA100B RF and Microwave Signal Generator (1419.8888.02) with platform height option SMAB-B92 (1420.8288.04) 2 HU
- R&S®SMA100B RF and Microwave Signal Generator (1419.8888.02) with platform height option SMAB-B93 (1420.8388.04) 3HU

© 2020 Rohde & Schwarz GmbH & Co. KG

Mühlhofstr. 15, 81671 München, Germany

Phone: +49 89 41 29 - 0

Email: info@rohde-schwarz.com

Internet: www.rohde-schwarz.com

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Throughout this manual, the products from Rohde & Schwarz are indicated without the ® symbol, e.g. R&S®ZZK-Case is indicated as R&S ZZK-Case. The products intended for transport are referred to as instruments.

1 Introduction

1.1 Intended Use

The R&S ZZK-Case is intended to offer a secure possibility to carry Rohde & Schwarz instruments within the listed dimensions:

Height units	Depth in mm (inches)	Width in mm (inches)	Height in mm (inches)	With additional foam insert
2 HU	503 (19.8)	460 (18.1)	107 (4.21)	yes
3 HU	503 (19.8)	460 (18.1)	151 (5.95)	

NOTICE

Risk of R&S ZZK-Case damage

The R&S ZZK-Case is intended for personal carry on of the specified instruments only.

Shipping the R&S ZZK-Case or carrying devices other than specified can damage the R&S ZZK-Case and the components inside.

Never use the R&S ZZK-Case for shipping. For shipping see the instruments user manual, section "Transporting".

Never use the R&S ZZK-Case for other devices than specified.

NOTICE

Risk of R&S ZZK-Case content damage

Long term storing of instruments inside the R&S ZZK-Case can damage the foam insert. A secure fit for the instrument can no longer be assured and can lead to instrument damage.

Always take out an instrument from the R&S ZZK-Case when not in use for transportation.

1.2 Product Overview



Figure 1-1: R&S ZZK-Case in upright position with pull-out handle

1 = Pull out handle

3 = Outer Shell

2 = Carrying handle

4 = Name plate

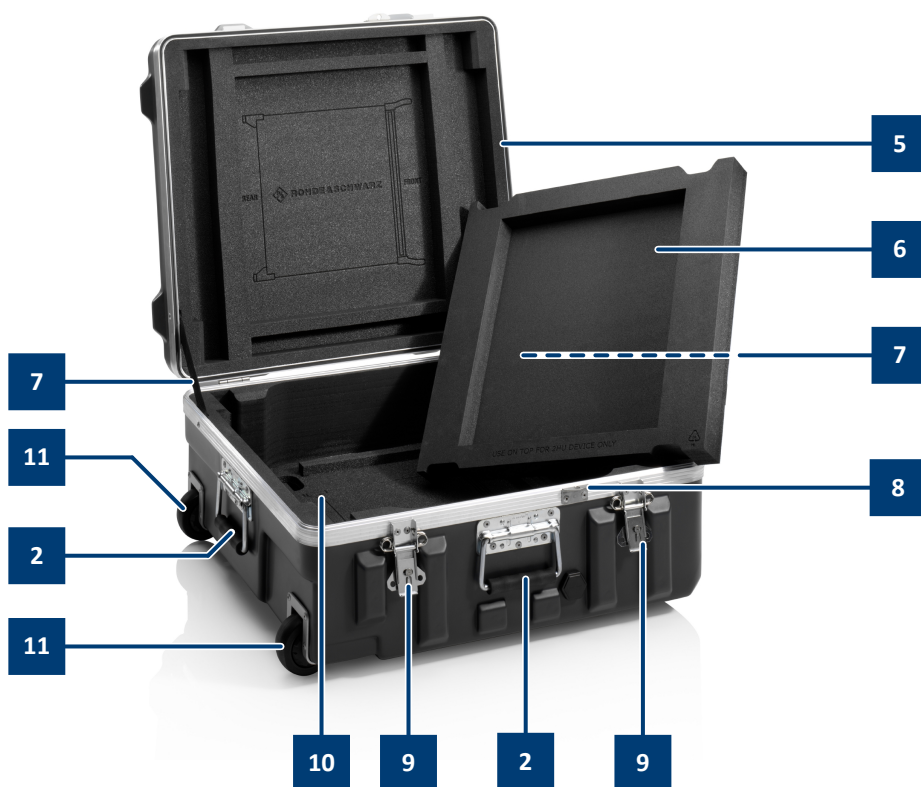


Figure 1-2: R&S ZZK-Case laying flat with lid opened and additional foam insert

- 2 = Carrying handle 8 = Security hasp
 5 = Lid 9 = Butterfly catch
 6 = Additional foam spacer 10 = Foam insert
 7 = Sider straps 11 = Rolling wheels

1.3 Dimensions and Weight

Dimensions	
Depth	570 mm (22.4 in)
Width	645 mm (25.4 in)
Height	280 mm (11.0 in)
Weight	
Empty case including additional foam spacer	9.2 kg (20.3 lb)

2 How to Insert the Instrument

2.1 Preparing the R&S ZZK-Case

To prepare the R&S ZZK-Case, follow these steps:

1. Push down the pull-out handle (1) until it is flush with the outer shell (3).
2. Lay the R&S ZZK-Case flat with the butterfly catches (9) facing towards you.
3. Remove the lock from the security hasp (8) if needed.
4. Unlock the R&S ZZK-Case by turning each butterfly catch (9) until they spring open.
5. **CAUTION!** Heavy object. If the lid is not properly opened, it can fall down and cause injuries.

Open the lid (5) until the lid rests on the sidestraps (7).

6. Take out the additional foam spacer (6).

The R&S ZZK-Case is prepared for inserting an instrument.

2.2 Inserting the Instrument

To insert the instrument into the R&S ZZK-Case:

1. **CAUTION!** Heavy object. The instrument can be heavy, e.g., if fully equipped. If weight exceeds 18 kg, carry the instrument with two people.
Use the carrying handles at the side for lifting and carrying the instrument.
Lower the instrument carefully into the R&S ZZK-Case, so the instrument and the engravement in the foam insert (10) align.
The instrument must be right side up and the front must face right.
2. For instruments with a height of 2 HU: Insert the additional foam spacer (6) on top of instrument.

3. For instruments with a height of 3 HU: Store the additional foam spacer (6) in a safe place for later use.

The instrument is ready for transportation.

2.3 Closing the R&S ZZK-Case

To close the R&S ZZK-Case:

1. Close the lid (5).
2. Close the butterfly catch (9) by turning for a full revolution.
3. If needed, secure the transport case by locking the security hasp (8) with a lock.

3 Preparing the R&S ZZK-Case for Transportation

Before transporting, make sure the R&S ZZK-Case is properly closed. See [Chapter 2.3, "Closing the R&S ZZK-Case"](#), on page 7

1. **CAUTION!** Heavy object. The loaded Transport Case can be heavy. If weight exceeds 18 kg, carry the Transport Case with two people.
Place the Transport Case in an upright position with the rolling wheels (11) on the ground.
2. Adjust the pull-out handle (1) to desired length.
The R&S ZZK-Case is ready for transportation.

4 Taking Out the Instrument

To remove the instrument out of the R&S ZZK-Case:

- **CAUTION!** Heavy object. The instrument can be heavy, e.g., if fully equipped. If weight exceeds 18 kg, carry the instrument with two people.
Use the carrying handles at the side for lifting and carrying the instrument.
Lift the instrument carefully out of the R&S ZZK-Case.