



RIGOL

DSG5000 Series

RM2031 Rack Mount Kit

Rack Mount Kit
RKG04100-1110

Jun.2022

Guaranty and Declaration

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1 Safety Notices and Symbols

Safety Notices in this Manual:



WARNING

Indicates a potentially hazardous situation or practice which, if not avoided, will result in serious injury or death.



CAUTION

Indicates a potentially hazardous situation or practice which, if not avoided, could result in damage to the product or loss of important data.

Safety Symbols on the Product:

- **DANGER**

It calls attention to an operation, if not correctly performed, could result in injury or hazard immediately.

- **WARNING**

It calls attention to an operation, if not correctly performed, could result in potential injury or hazard.

- **CAUTION**

It calls attention to an operation, if not correctly performed, could result in damage to the product or other devices connected to the product.

Safety Symbols on the Product:



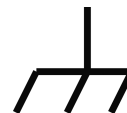
**Hazardous
Voltage**



Safety Warning



**Protective Earth Chassis Ground
Terminal**



Ground



Test Ground

2 Kit Part Checklist

This rack mount kit is designed to mount **RIGOL** DSG5000 series microwave signal generator into a 19-inch cabinet that conforms to the Electronic Industries Association (EIA) standard.

Table 2.1 Kit Part List

No.	Name	Qty.	Description
1	M4 Screw	16	M4x8 Phillips Pan Head Screw
2	Rack Handle	2	-
3	M6 Nut	8	M6 Square Lock Cage Nut
4	Side Beam	2	-
5	Rear Bracket	2	-
6	M6 Screw	8	M6x16 Phillips Pan Head Screw

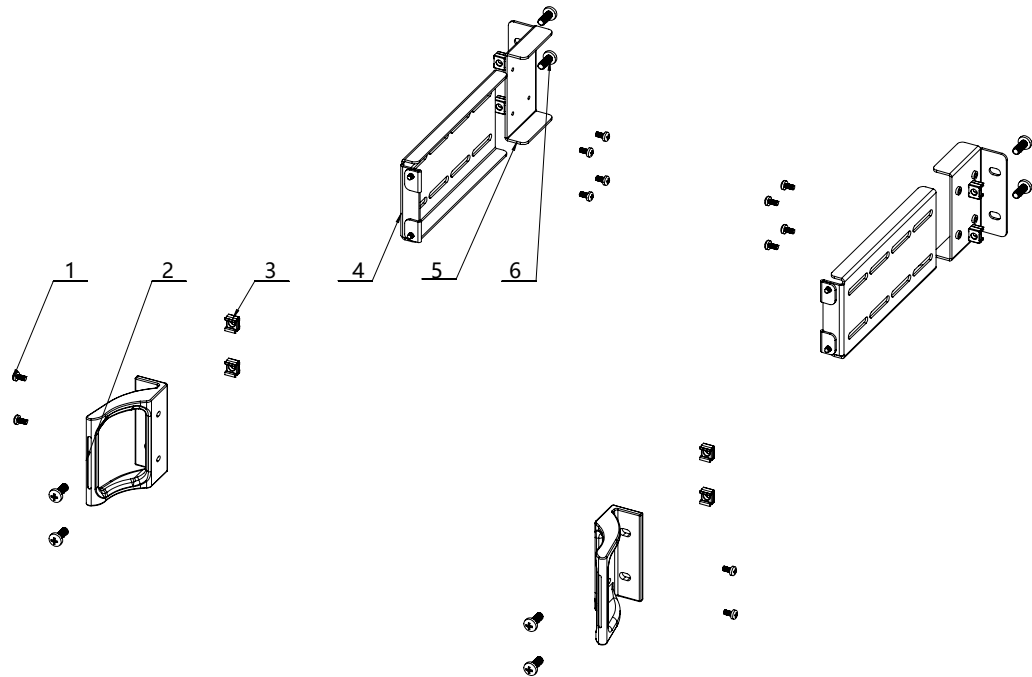


Figure 2.1 RM2031 Rack Mount Kit Part

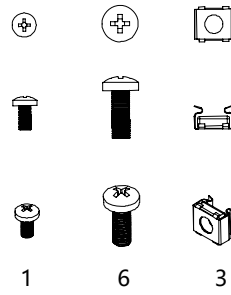


Figure 2.2 Screw and Nut Drawing

3 Installation Requirement

Installation Tool

The PH2 Phillips screwdriver and T20 Phillips screwdriver are recommended.

Space Requirements

To mount the instrument into the cabinet correctly, please ensure that the following requirements are met:

- The cabinet must be a standard 19-inch one.
- The available height of the cabinet should be at least 2U (88.9 mm).
- The depth of the cabinet should be at least 450 mm.

The dimensions of the rack-mounted instrument are as shown in *Figure 3.1*.

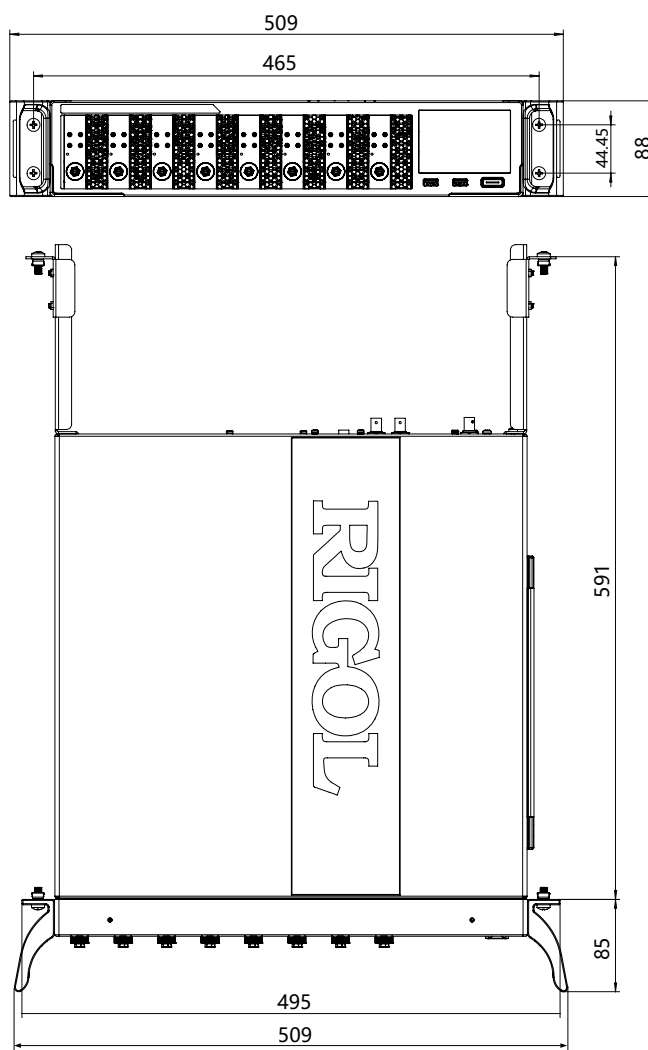


Figure 3.1 Dimensions of Rack-mounted Instrument (Unit: mm)

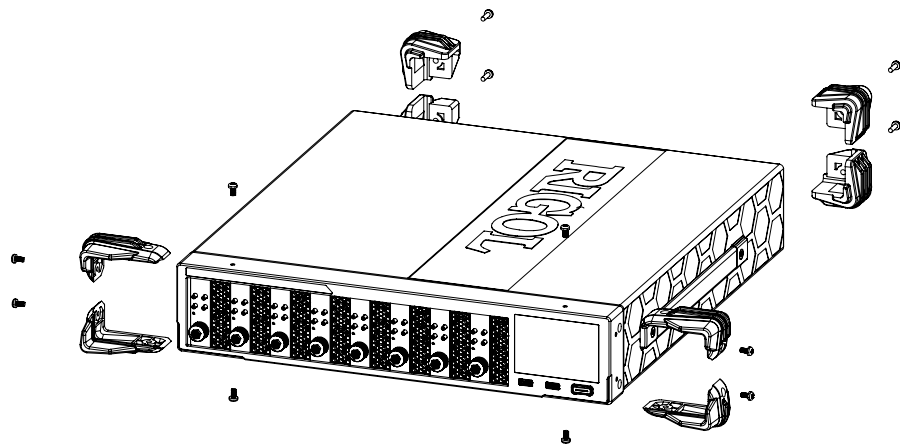
4 Installation Procedures



CAUTION

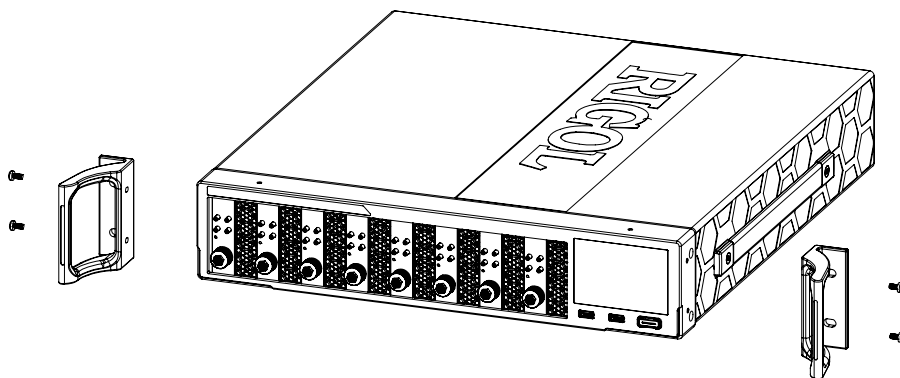
Only authorized operators are allowed to perform the installation. Improper installation might cause damage to the instrument or an installation failure.

1. Remove the two front protective covers and two rear support legs of the instrument.



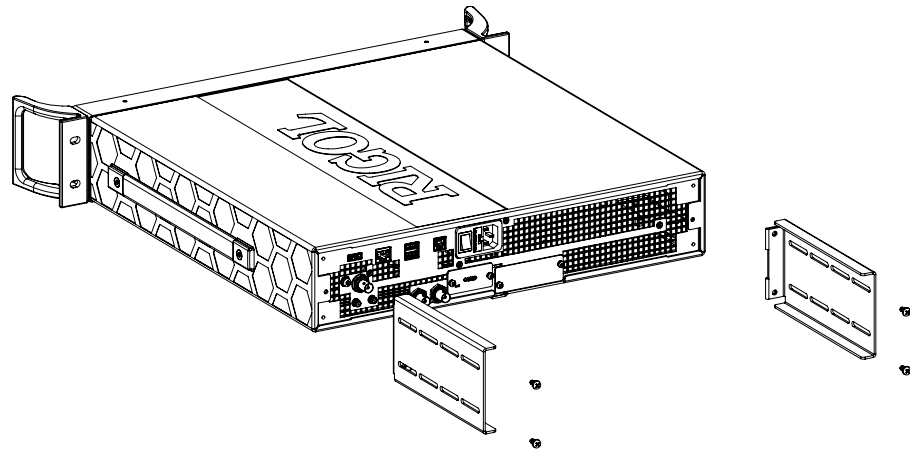
2. Mount the rack handle.

Attach two rack handles to both sides of the front panel, then secure the rack handles with four M4 screws.



3. Mount the side beams.

Attach two side beams to the mental rear panel, as shown in the figure below, and then secure them with four M4 screws.



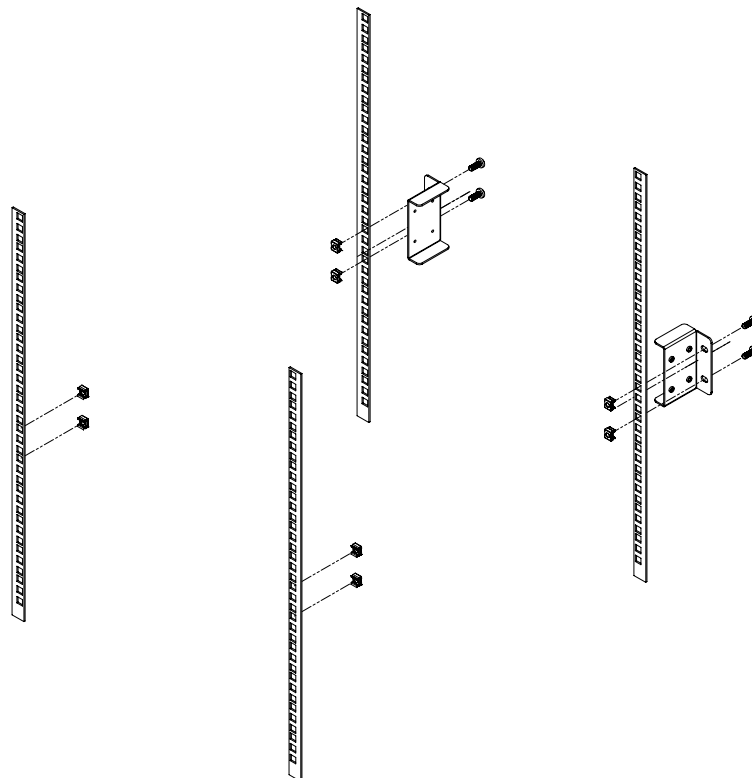
4. Mount the square nuts and the rear brackets.

Secure two rear brackets to one side of the rack with four M6 screws and four M6 square nuts. Secure another four M6 square nuts to the other side of the rack.



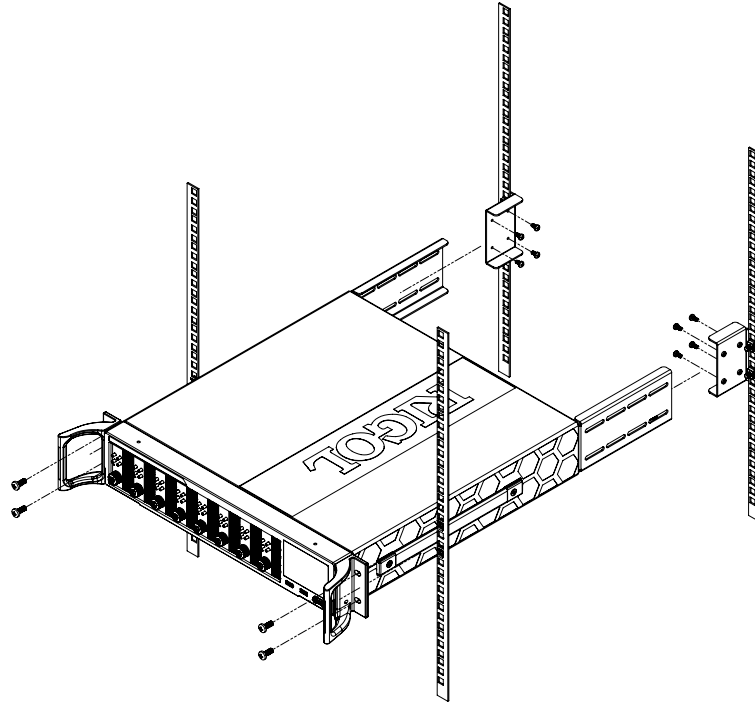
CAUTION

To ensure proper installation, ensure that the square nuts secured to the rack are at the same height as those that secured the rear brackets to the rack.

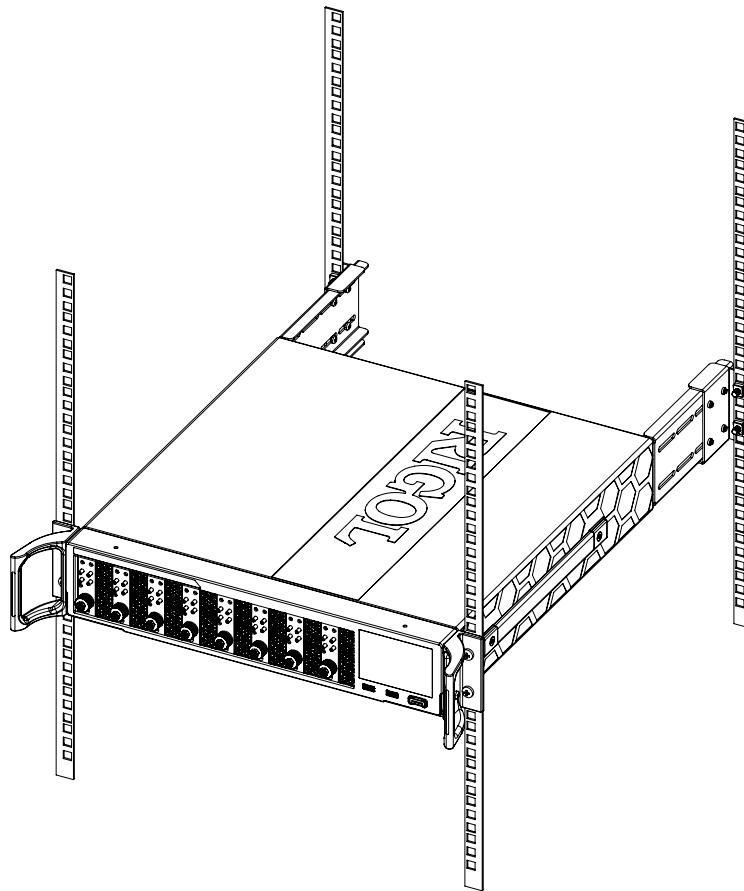


5. Get encased in the cabinet.

Attach two side beams to the secured rear brackets, and then secure them with eight M4 screws. Secure two rack handles to the rack with four M6 screws.



6. The figure shows the front view of the successful rack mount installation.



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