



Installation Guide

RM-DS-1 Rackmount Kit

DS1000 Series, DS1000CA Series, DS1000E Series, DS1000D Series

Digital Oscilloscope

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RIGOL Technologies, Inc.

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**Hazardous
Voltage**



**Refer to
Instructions**



**Protective
Earth
Terminal**



**Chassis
Ground**



**Test
Ground**

Kit Overview

The kit is used to mount your DS1000 Series, DS1000CA Series, DS1000E Series, DS1000D Series Oscilloscope into a standard 19-inch rack.

Kit Parts List

Table 1 Kit Parts List

Figure No.	Name	Qty	Part Number	Description
1-1	Front Panel	1	RM-DS-1-01	
1-2	Support Board	1	RM-DS-1-02	
1-3	Left Plate	1	RM-DS-1-03	
1-4	Right Plate	1	RM-DS-1-04	
1-5	Rear Fixed Belt	1	RM-DS-1-05	
1-6	Rear Fixed Bracket	1	RM-DS-1-06	
2-1	M4 Screw	16	RM-SCREW-01	M4*6 Phil-Slot Pan Head Machine Screw Nail
2-2	M6 Screw	4	RM-SCREW-02	M6*20 Phil-Slot Pan Head Machine Screw Nail
2-3	M6 Nut	4	RM-SCREW-03	M6*4 Square Machine Female Screw Contain Lock Blade

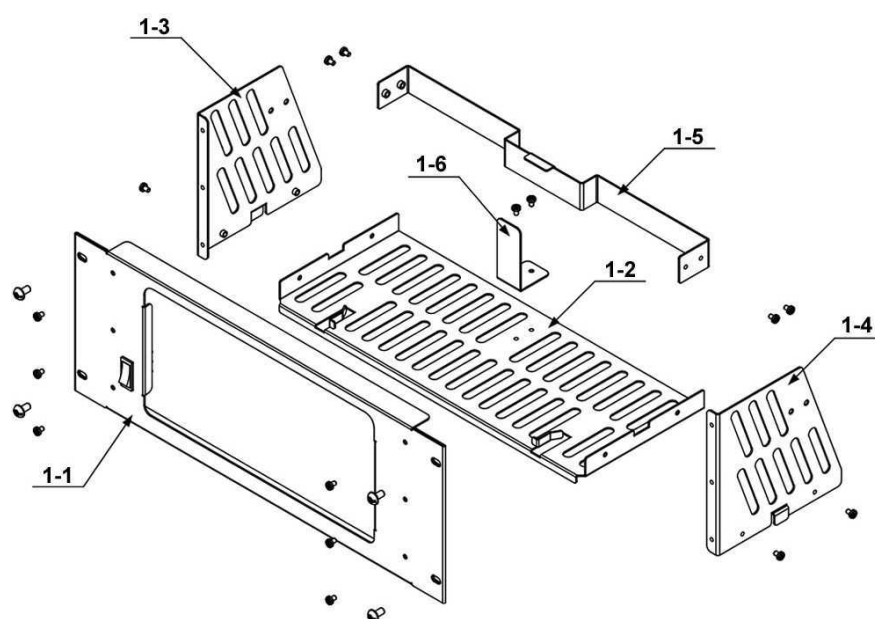


Figure 1: Kit Parts

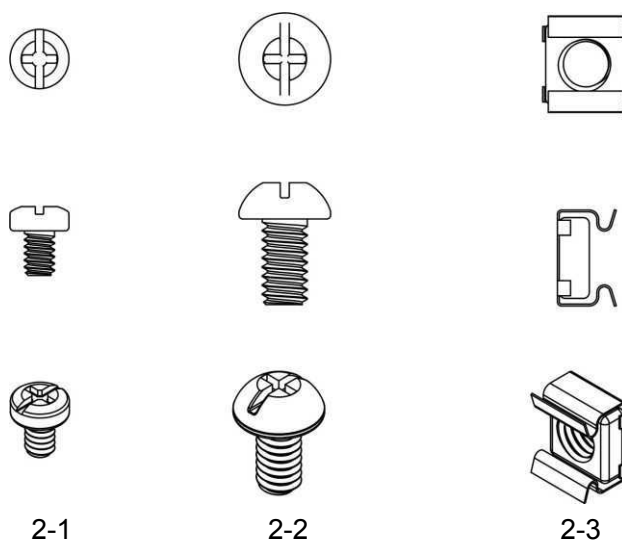


Figure 2: Screw Models

Space Requirements for Installation

Following requirements must be fulfilled by the machine cabinet in which the instrument is mounted.

1. The machine cabinet should be a standard 19-inch.
2. At least 4U spaces (177.8mm) have to be provided by machine cabinet.
3. The depth inside the machine cabinet should not be less than 165mm.

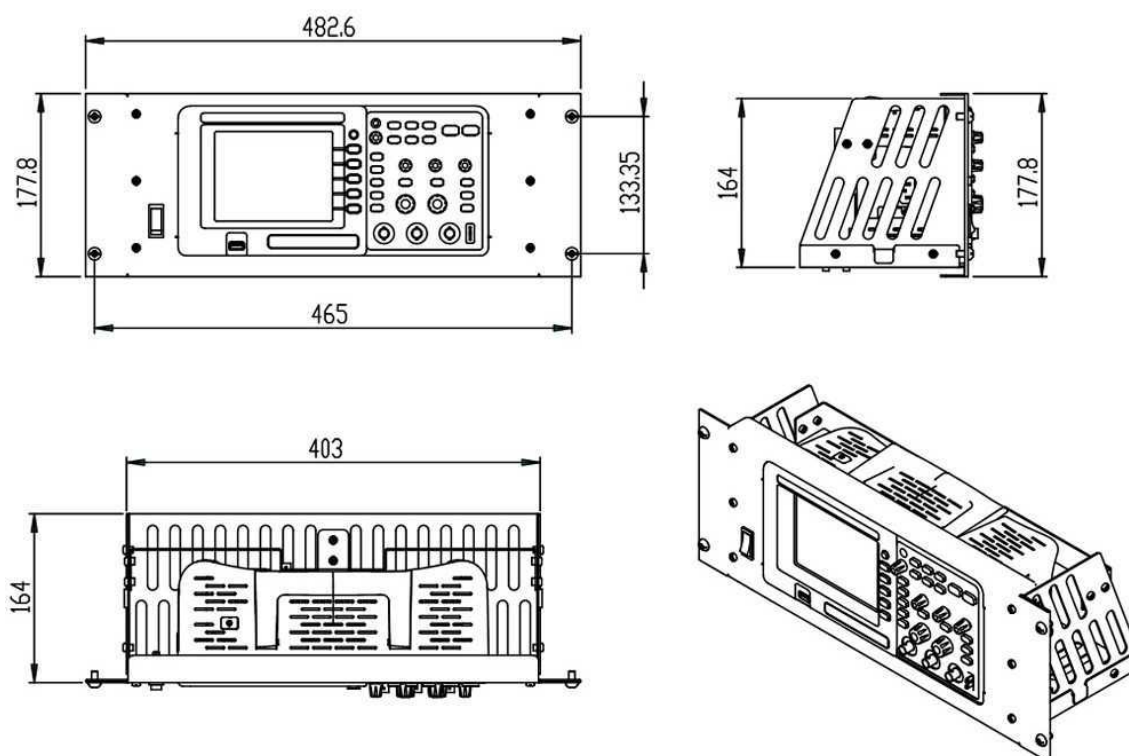


Figure 3: Dimension of Instrument with Rack Adapter Installed

Installation Instructions

This section will introduce you how to mount the DS1000 series Oscilloscope into a standard 19-inch machine cabinet.

Installation Tools

Table 2 Installation Tools List

NO.	Name	Description
1	Phillips screwdriver	PH2 Phillips screwdriver



CAUTION

Only authorized personnel can perform the installation, improper operation may cause damage to the instrument or incorrect installation.

Installation Procedures

1. Install the left and right plate: aim the detents of both right and left plate at the openings on support board and insert selectively, then fix them using four M4 bolts.

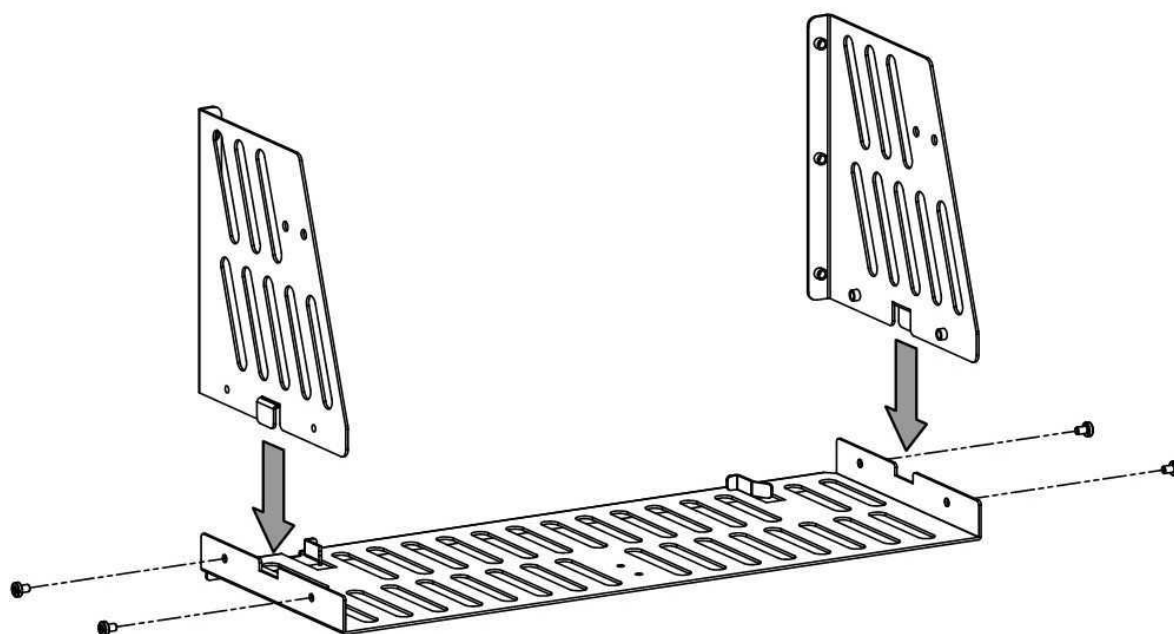


Figure 4: Installation of Left and Right Plate

2. Mount front panel: aim the opening of front panel at left and right plate-fixed and fix them using six M4 bolts.

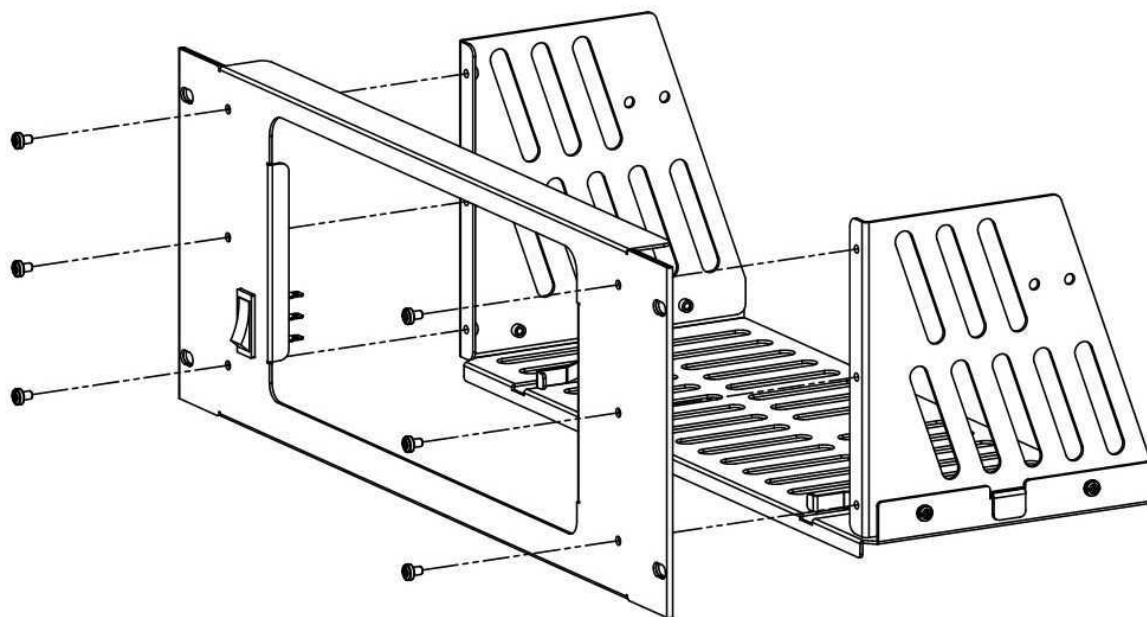


Figure 5: Installation of Front Panel

3. Place the instrument: first, put the instrument onto the support board and then generally slide it into right position down the baby hem on either side, exposing the front of instrument from the opening of front panel.

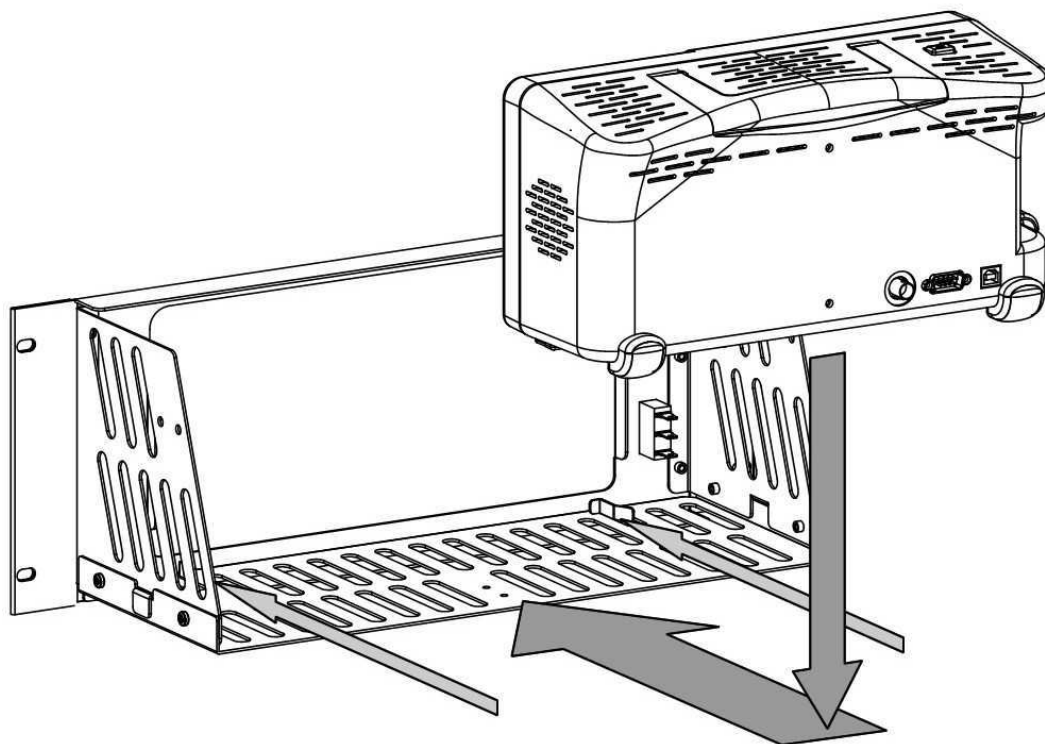


Figure 6: Place the Instrument

4. Fix the instrument: first, put by the hanging ring to avoid blocking out the rear fixed belt, then, using six M4 bolts to fix both the rear fixed brackets and rear fixed belt on the support board in connection with the instrument.

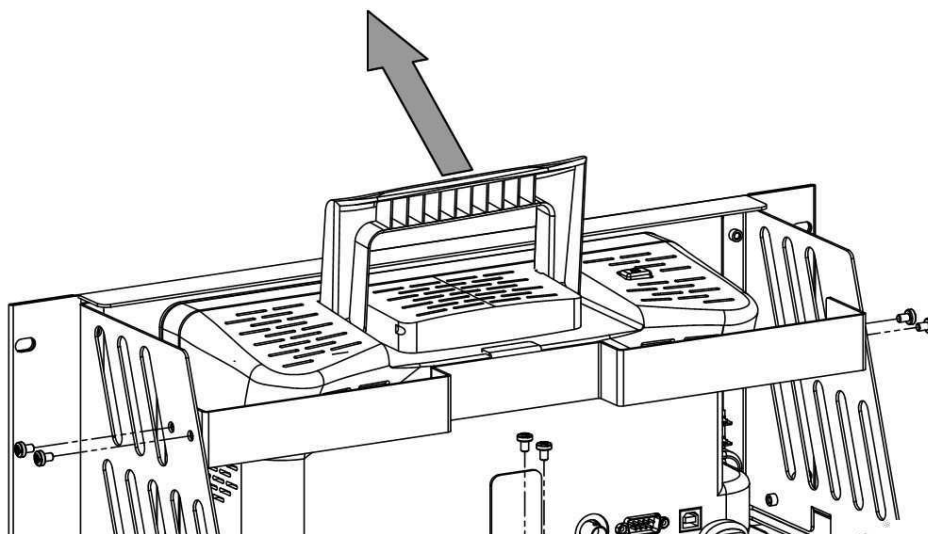


Figure 7: Fix the instrument

5. Loading into machine cabinet: mount the rack with instrument-fixed onto a standard 19-inch machine cabinet respectively using 4 M6 bolts and square nuts and then put the hanging ring back in position.

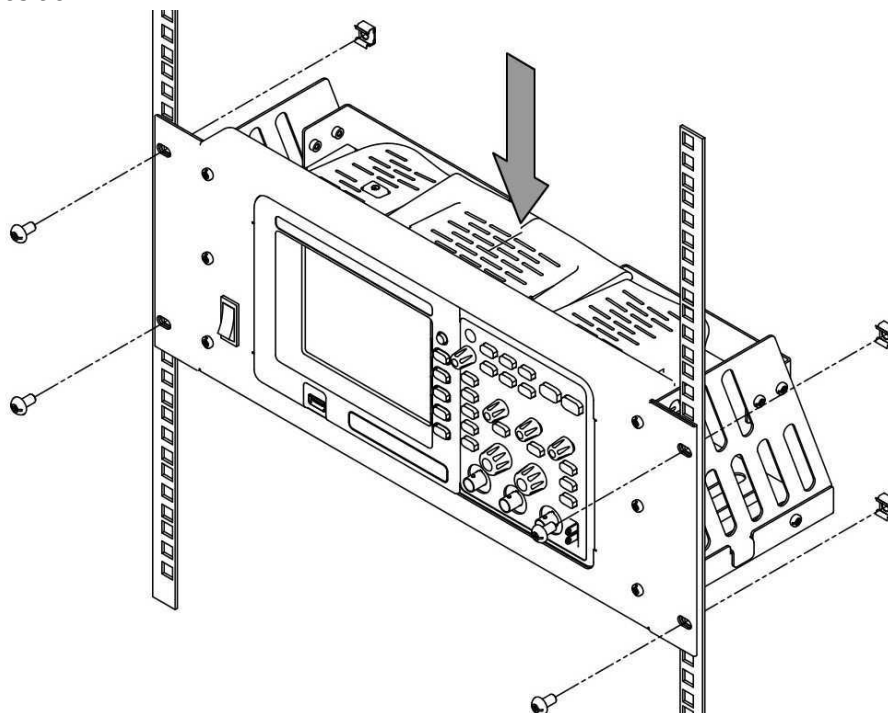


Figure 8: Loading into machine cabinet

Notice

1. The rack holds a height of 4U, and the holes those in compliance with the arrow direction are the mounting holes for rack.

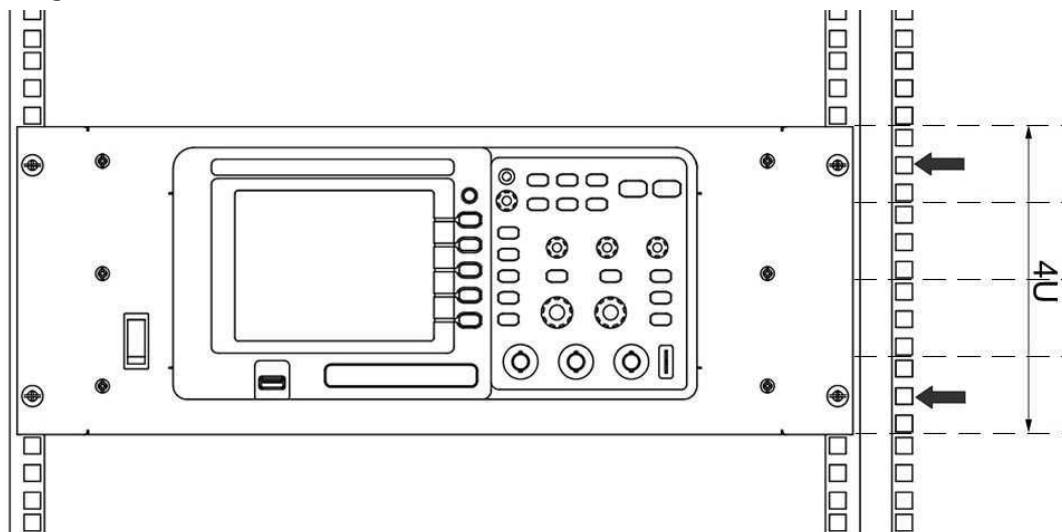


Figure 9: Holes for rack

2. The rack has a power cord that was connected with the **power input** terminal and the **power source** terminal in series. A **ship type switch** is used to turn ON or OFF the instrument once the power switch above the instrument has been pressed down.

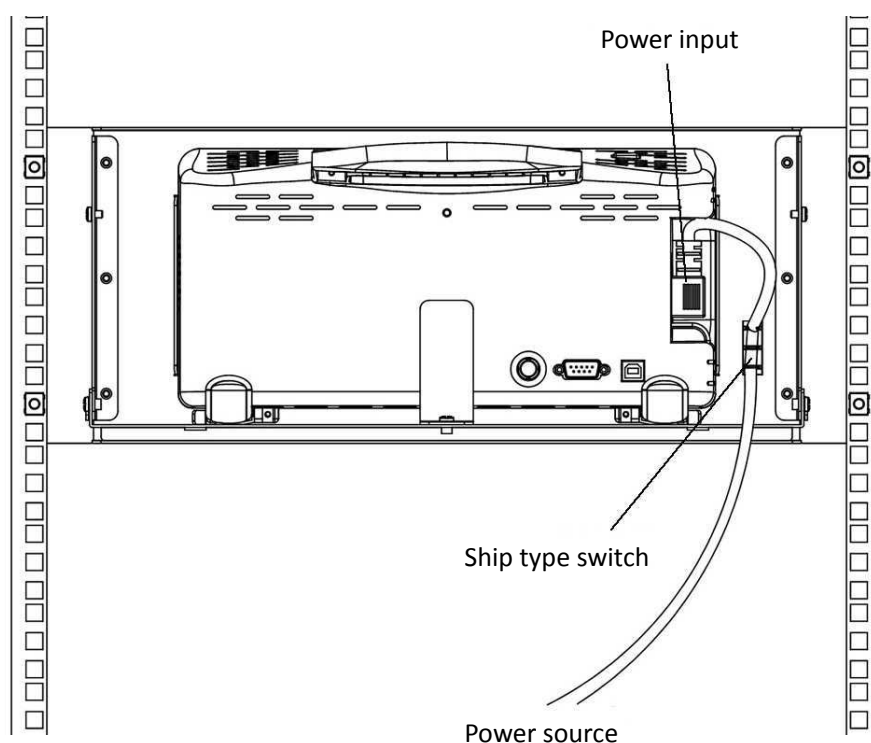


Figure 10: Power Cord Connection of Rack

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