

**RM3100 Rackmount Kit
for the AFG3000 and AFG3000C Series
Arbitrary Function Generators
Instructions**

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Service safety summary

Only qualified personnel should perform service procedures. Read this *Service safety summary* before performing any service procedures.

Do not service alone. Do not perform internal service or adjustments of this product unless another person capable of rendering first aid and resuscitation is present.

Disconnect power. To avoid electric shock, switch off the instrument power, then disconnect the power cord from the mains power.

Use care when servicing with power on. Dangerous voltages or currents may exist in this product. Disconnect power, remove battery (if applicable), and disconnect test leads before removing protective panels, soldering, or replacing components.

To avoid electric shock, do not touch exposed connections.

Preface

The RM3100 is designed for use with the AFG3000 and AFG3000C Series Arbitrary Function Generators. This kit, once installed, allows you to mount a generator into an instrument rack.



WARNING. *These instructions are for qualified personnel only. To avoid personal injury, do not assemble or install this kit unless you are qualified to do so. Before proceeding, remove all cables from the instrument, including the power cable.*

Kit parts

The following figure and table show the kit parts.

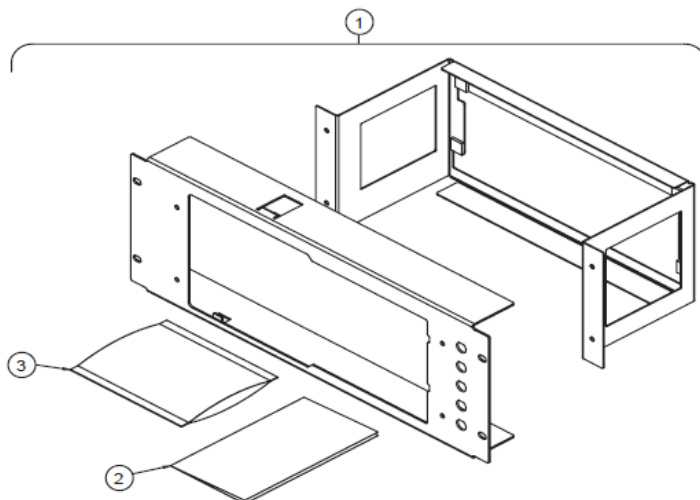


Table 1: Kit parts list

Figure #	Part number	Quantity	Description
1-1	RM3100	1 ea	RM3100 rackmount kit, includes a front and back panel set, Instructions, bag of screws and handles
1-2	075-1088-xx	1 ea	Instructions (this document)
1-3	016-1964-xx ¹	—	Standard mounting hardware in plastic bag, consisting of the following:
2-1	Not saleable	2 ea	Carrying handles
2-2	Not saleable	4 ea	(For handles) Screws 8-32 x 1/2 pan head Phillips
2-3	Not saleable	4 ea	(For handles) #8 split lock washers
2-4 ²	Not saleable	5 ea	Caps
3-1 ¹	Not saleable	4 ea	Screws M 5 x 16 oval head Phillips
		4 ea	Screws M 6 x 16 oval head Phillips
		4 ea	Screws 10-32 x 3/4 oval head Poz
		4 ea	Screws 12-24 x 3/4 oval head Poz

Table 1: Kit parts list (cont.)

Figure #	Part number	Quantity	Description
3-2 ¹		4 ea	M5 flat washers
		4 ea	M6 flat washers
		4 ea	#10 finish washers
		4 ea	0.203 ID x 0.625 OD flat washers
Not shown		6 ea	Nuts 8-32 x 11/32 hex w/ext tooth lock washers ³

¹ Use the appropriate screws and washers for your size rack (there will be extra hardware).

² Use these caps when the D-shape holes are plugged.

³ Use these nuts and washers when the carrying handles are not attached.

Instrument dimensions

All following dimensions are shown in millimeters. The RM3100 conforms to EIA-310-D specification. Rackmount weight (without an AFG3000 model installed) is 2.1 kg.

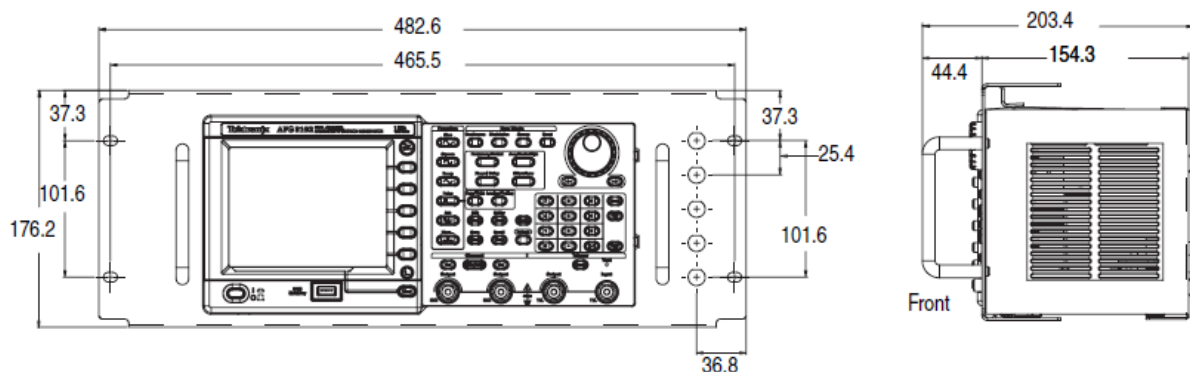


Figure 1: RM3100 rackmount kit dimensions

Assembly instructions

Assembly instructions are shown in the following two figures.

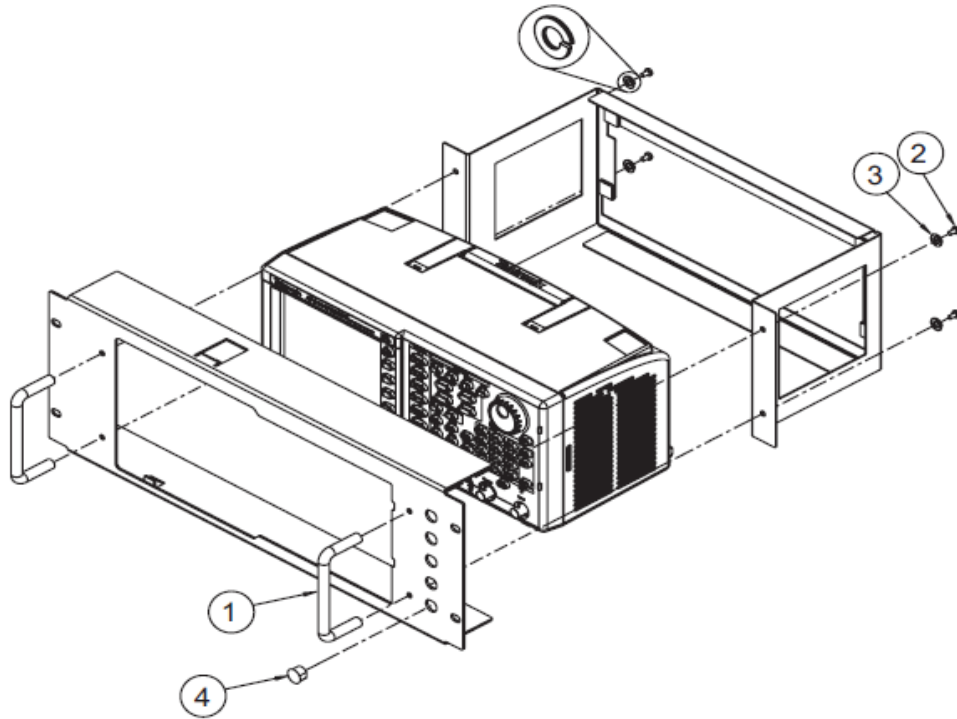


Figure 2: RM3100 rackmount kit assembly – step 1

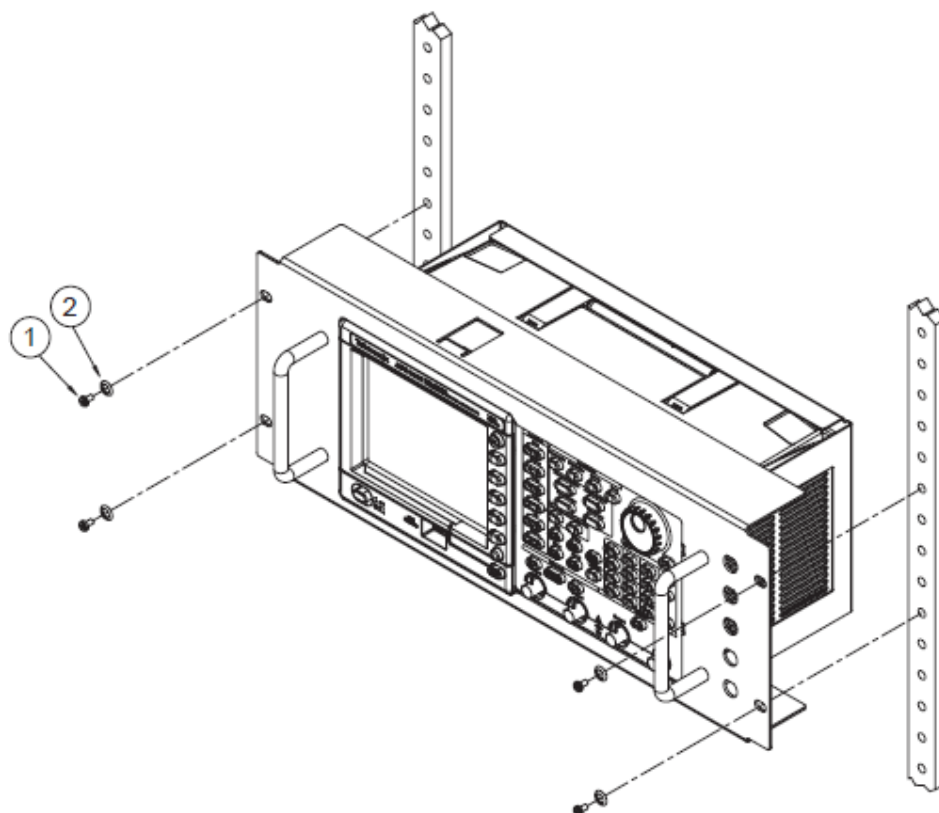


Figure 3: RM3100 rackmount kit assembly – step 2