

Keithley Instruments, Inc.
28775 Aurora Road
Cleveland, Ohio 44139
1-888-KEITHLEY
www.keithley.com

Universal Full Rack-Mount Kit

Introduction

This instruction sheet contains the parts list and installation information for the Keithley Instruments Model 4299-6 Universal Full Rack-Mount Kit. The kit includes all hardware necessary to mount a full-rack Keithley Instrument in a standard 19-inch rack.

Parts list

Table 1 lists the parts supplied with the Model 4299-6 Universal Full Rack-Mount Kit.

Table 1: Model 4299-6 parts listing

<i>Quantity</i>	<i>Description</i>	<i>Keithley Instruments part number</i>
2	<i>Bracket</i>	<i>2602-334</i>
2	<i>Rack mount extension arm</i>	<i>2602-335</i>
8	<i>Cage nut</i>	<i>FA-274</i>
1	<i>"DO NOT DISCARD" label</i>	<i>MC-345</i>
4	<i>#10-32 x 3/8 LG Phillips pan-head sems screw</i>	<i>10-32X3/8PPHSEM</i>
8	<i>#10-32 x 5/8 LG Phillips truss-head screw</i>	<i>10-32X5/8PHTRSH</i>

WARNING Make sure the instrument that is being installed is in a powered-down state with all cables unplugged. Failure to install an instrument in a discharged state may cause exposure to an electrical shock that could result in personal injury or death.

Installation

The following procedure outlines the installation of the rack-mount kit.

Step 1: Prepare the instrument

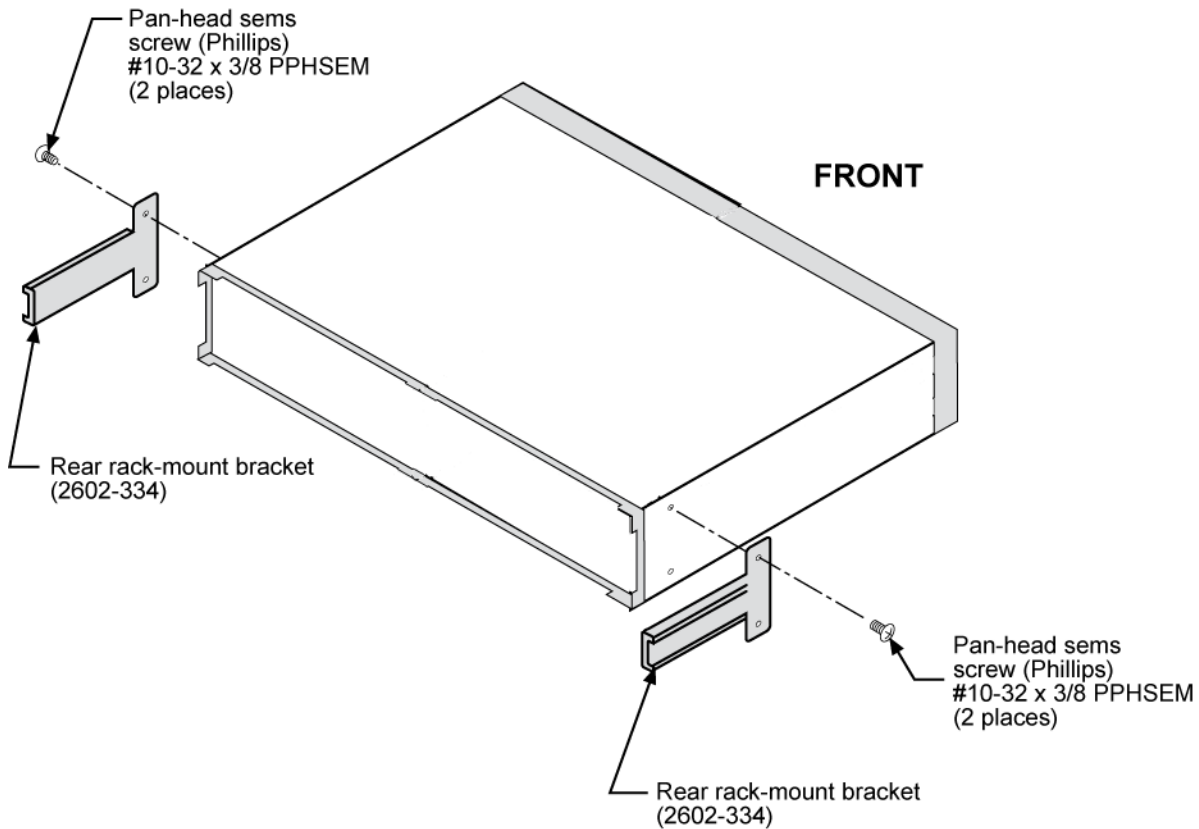
Remove both front and rear feet from the instrument by pulling out the rubber feet and then removing the screws underneath.

NOTE Do not reinstall the feet mounting screws. Save all parts removed for future bench-top use of the instrument.

Step 2: Install mounting hardware to instrument

Secure one rear rack-mount with the 2602-334 bracket to each side of the instrument using two #10-32 x 3/8 Phillips pan-head sems screws (see [Figure 1](#)).

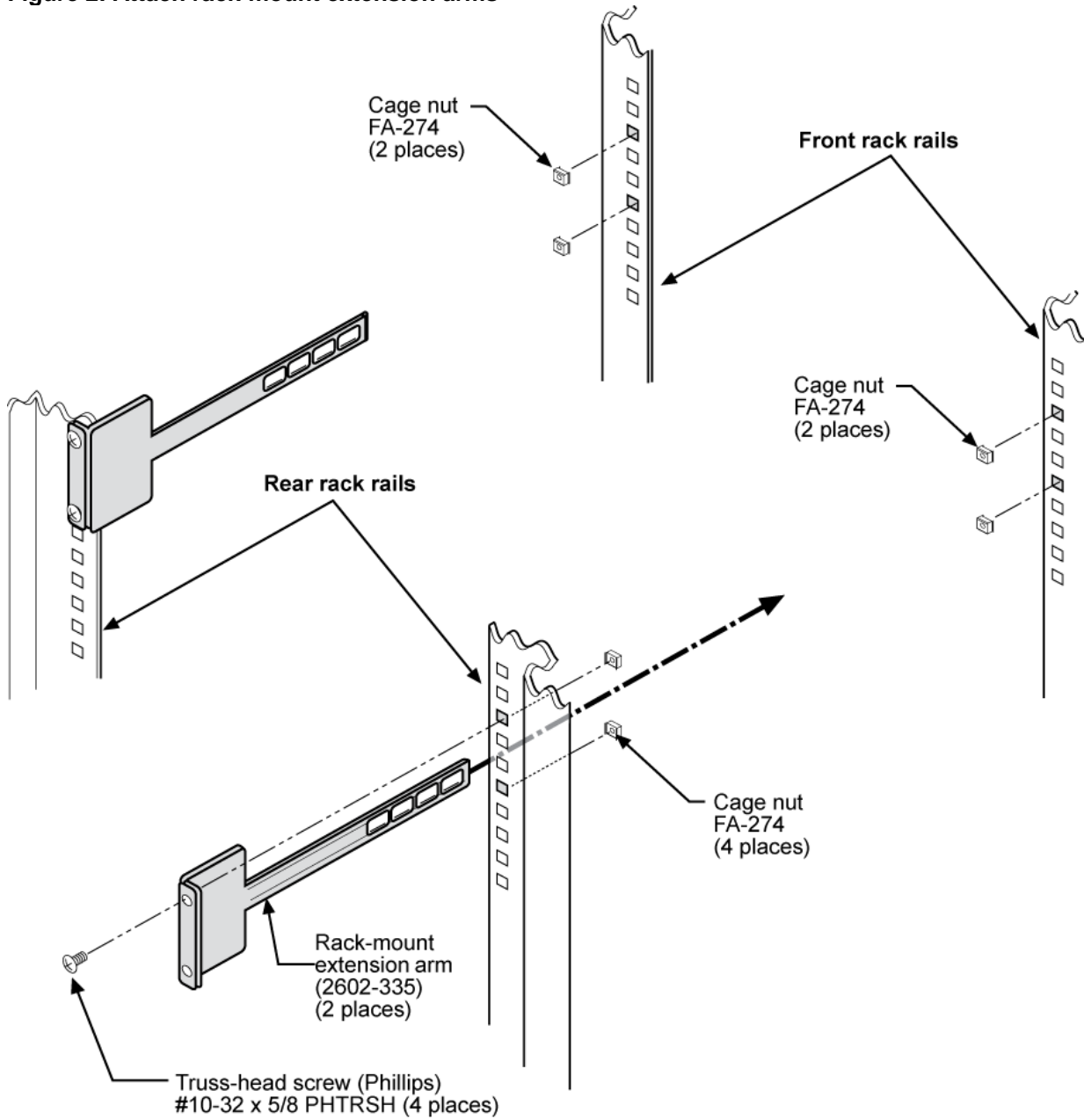
Figure 1: Attach rear rack-mount bracket



Step 3: Prepare the rack

1. Install FA-274 cage nuts into the rack holes to be aligned with the holes in the 2602-335 rack-mount extension arms. The rack holes selected will determine the unit's placement in the rack.
2. Install one rack-mount extension arm onto one of the rear rack rails and secure it using two #10-32 x 5/8 Phillips truss-head screws.
3. Repeat the procedure for the other side.
4. Install cage nuts into the front rack rail holes aligned with the rear cage nuts (see [Figure 2](#)).

Figure 2: Attach rack-mount extension arms



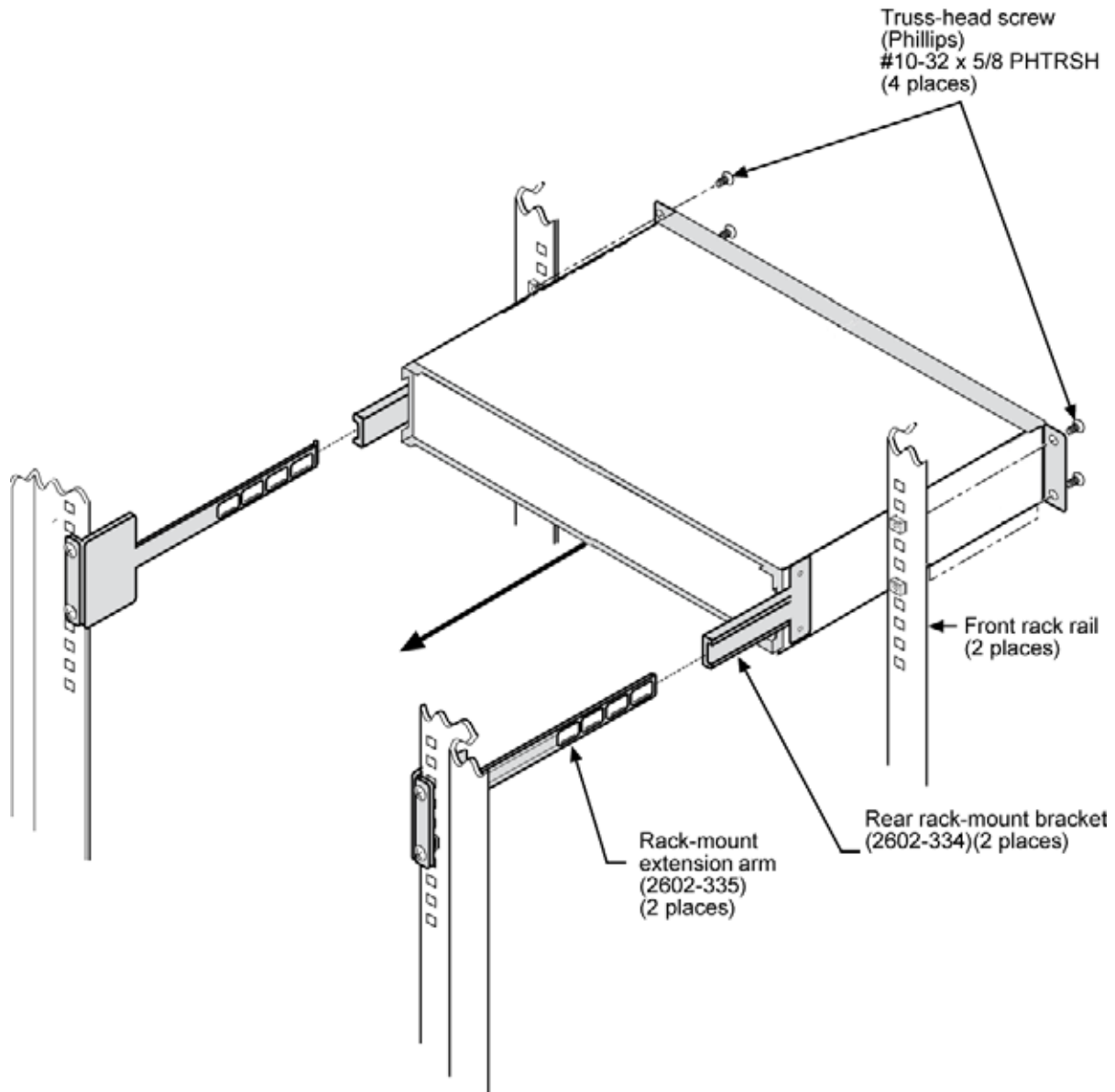
Step 4: Install instruments

WARNING When rack-mounting restricts access to the main power cord, provide a separate main power disconnect device. This device must be located in close proximity to the equipment and within easy reach of the operator.

NOTE Although the following steps may be completed by one person, two people are recommended.

1. Slide unit into the rack by aligning both 2602-334 rear rack-mount brackets with the associated rack-mount extension arms (see [Figure 3](#)).

Figure 3: Install instruments



2. While supporting the unit, secure it to the front rack rails with four #10-32 x 5/8 Phillips truss-head screws (see [Figure 3](#)).