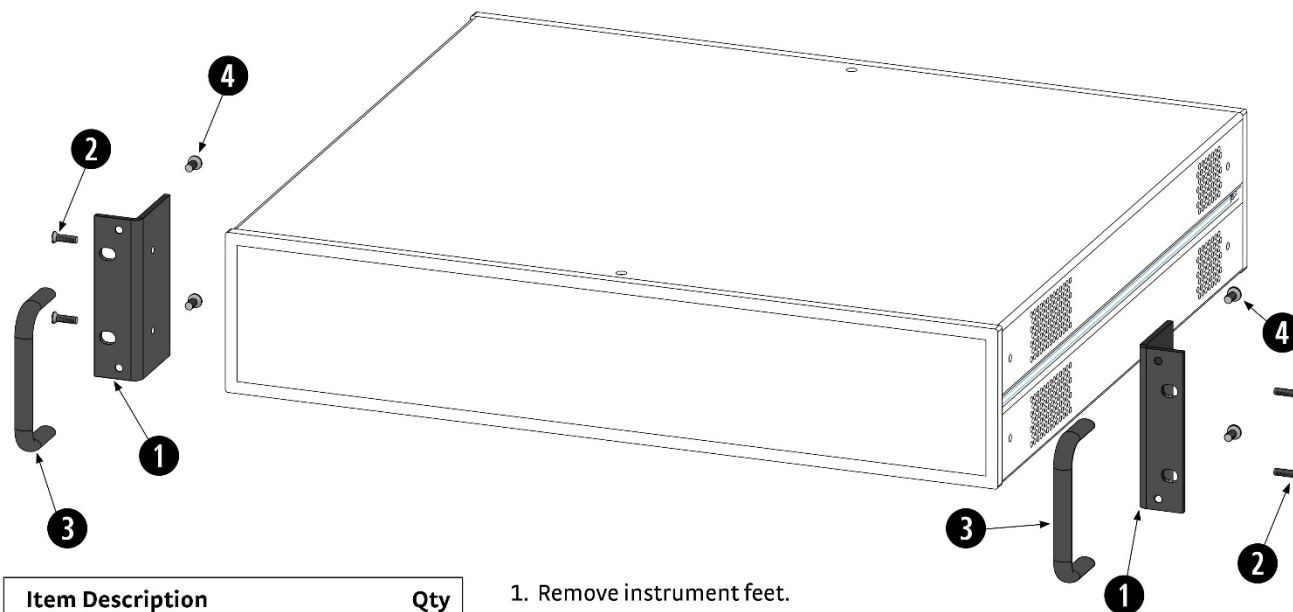


Rack Mounting Instructions

A Lake Shore instrument can be rack mounted using the optional Lake Shore rack mount kits. See below for the different options available.

NOTE: Ensure that there is 1 in (25 mm) clearance on both sides of the instrument after rack mounting.

RM-1: Full-rack instruments



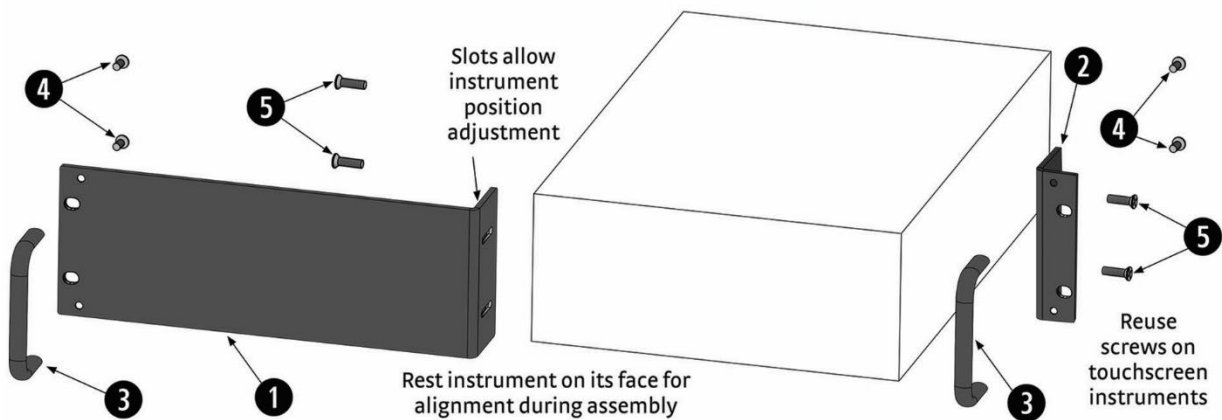
Item	Description	Qty
1	Rack mount ear	2
2	Screw, 6-32 × 0.5 in FHM Phillips	4
3	Rack handles	2
4	Screw, 8-32 × 0.38 in FHM Phillips	4

1. Remove instrument feet.
2. Rest the instrument on its face on a flat surface.
3. Remove the front screws from the sides of the instrument and retain for future use, if the rack kit is ever removed.
4. Use the supplied 6-32 screws 2 to attach the rack mount ears to the sides of the instrument.
5. Use the supplied 8-32 screws 4 to attach the rack handles 3 to the rack mount ears 1.

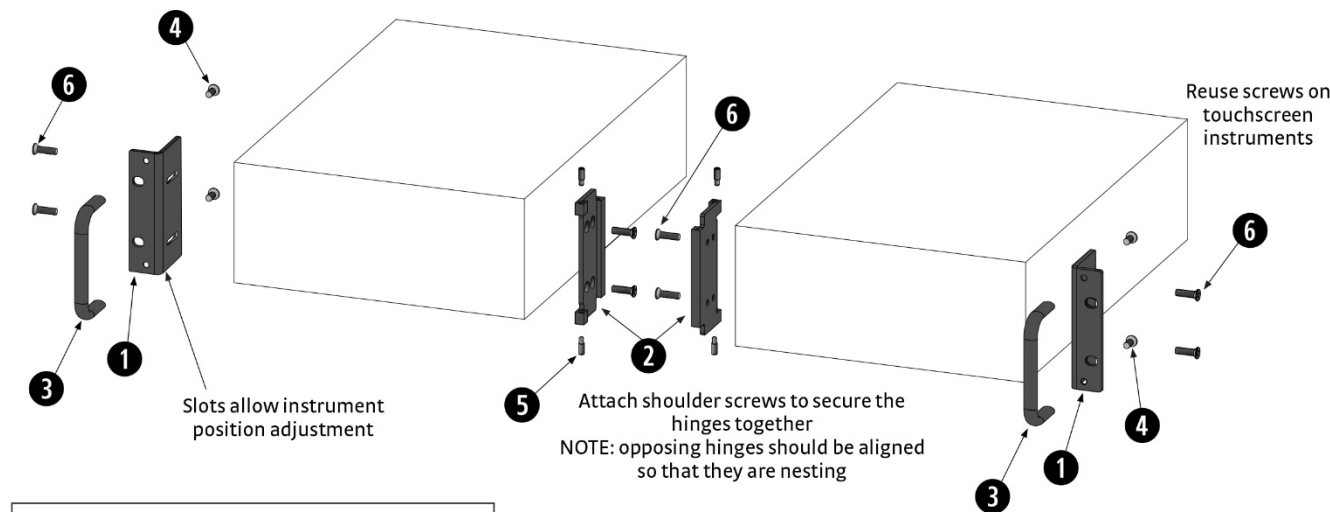
RM-1/2: Half-rack instruments, single unit per level

Item	Description	Qty
❶	Rack mount panel	1
❷	Rack mount ear	1
❸	Rack handles	2
❹	Screw, 8-32 × 0.38 in FHM Phillips	4
❺	Screw, M4 × 16 mm FHM Phillips (original touchscreen instrument screws) -- OR -- Screw, 6-32 × 0.5 in FHM Phillips	4

1. Remove instrument feet.
2. Attach the rack handles to the rack mount panel ❶ and rack mount ear ❷ using the supplied 8-32 screws ❹.
3. *For dark blue touchscreen instruments:*
Remove the front screws from the side panels and use M4 screws to attach the rack mount ear.
- For beige keypad instruments:*
- a. Remove the front screws from the sides of the instrument and retain for future use, if the rack kit is ever removed.
- b. Use the 6-32 screws ❺ to attach the rack mount ear.



RM-2: Half-rack instruments, two units per level



Item	Description	Qty
1	Rack mount ears	2
2	Dual rack mount hinges	2
3	Rack handles	2
4	Screw, 8-32 × 0.38 in FHM Phillips	4
5	Screw, headless shoulder	4
6	Screw, M4 × 16 mm FHM Phillips (original touchscreen instrument screws)	8
-- OR --		
	Screw, 6-32 × 0.5 in FHM Phillips	8

1. Remove instrument feet.
2. *For dark blue touchscreen instruments:*
Remove the front screws from the side panels and use the M4 screws to attach the rack mount ears and hinges to the sides of each instrument.
For beige keypad instruments:
 - a. Remove the front screws from the sides of the instrument and retain for future use, if the rack kit is ever removed.
 - b. Use the supplied 6-32 screws 6 to attach the rack mount ears and hinges to the sides of each instrument.
3. Nest the two hinges together and install all four 5 screws to lock instruments together.

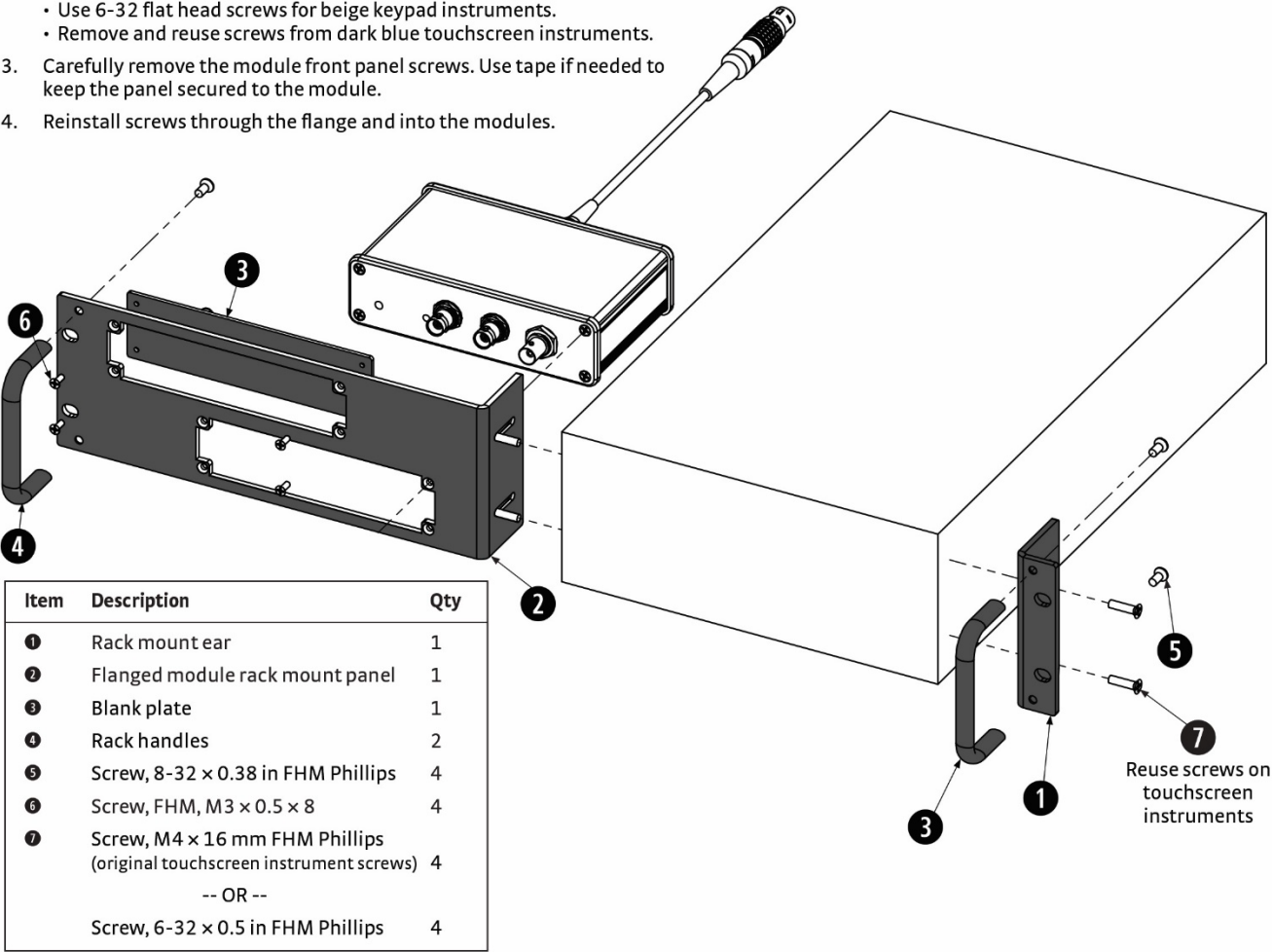
M81 modules

A Lake Shore instrument and M81 measurement module can be rack or probe station mounted using the optional Lake Shore mounting kits. See below for the different options available.

NOTE: Ensure that there is 1 in (25 mm) clearance on both sides of the instrument after rack mounting.

M81-RMK-2: Half-rack instrument, up to two modules

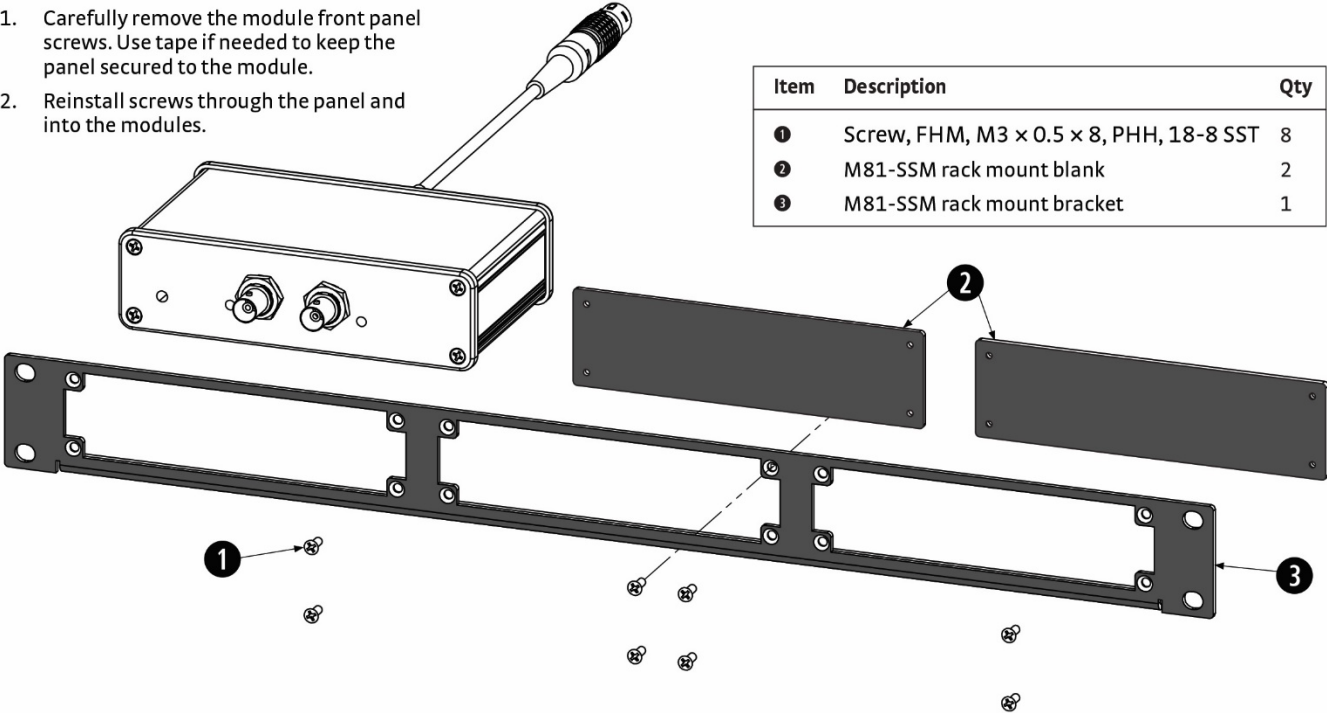
- 1. Install handles using the provided 8-32 screws.
- 2. Attach flanges to instrument.
 - Use 6-32 flat head screws for beige keypad instruments.
 - Remove and reuse screws from dark blue touchscreen instruments.
- 3. Carefully remove the module front panel screws. Use tape if needed to keep the panel secured to the module.
- 4. Reinstall screws through the flange and into the modules.



M81-RMP-3: Module panel mounting, up to three modules

- 1. Carefully remove the module front panel screws. Use tape if needed to keep the panel secured to the module.
- 2. Reinstall screws through the panel and into the modules.

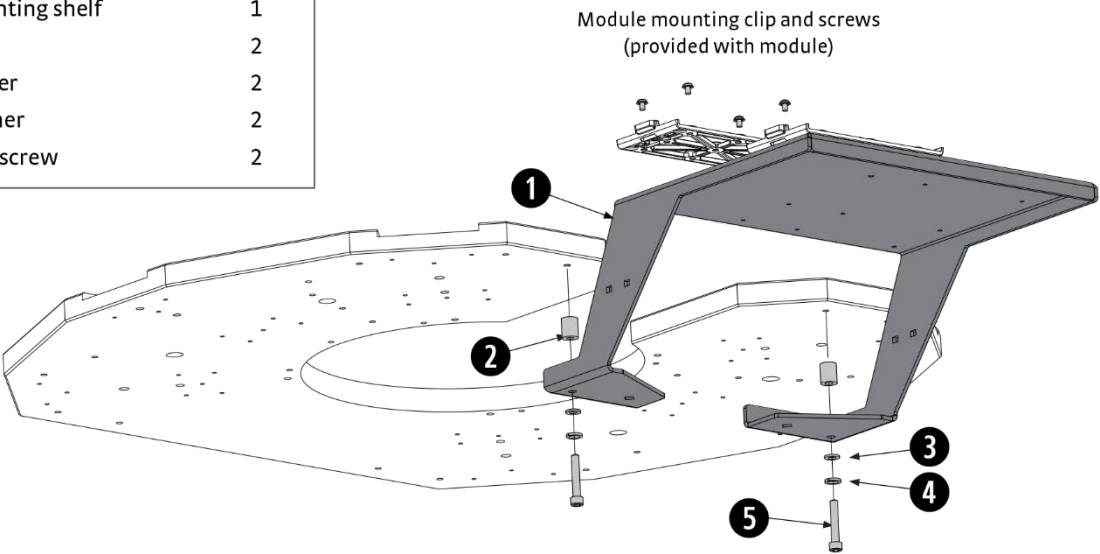
Item	Description	Qty
❶	Screw, FHM, M3 × 0.5 × 8, PHH, 18-8 SST	8
❷	M81-SSM rack mount blank	2
❸	M81-SSM rack mount bracket	1



M81-PMK-1: Module probe station mounting: under table mounting

1. Install shelf onto probe station tabletop as shown.
Note: Shelf can be installed on the front or back based on configured options.

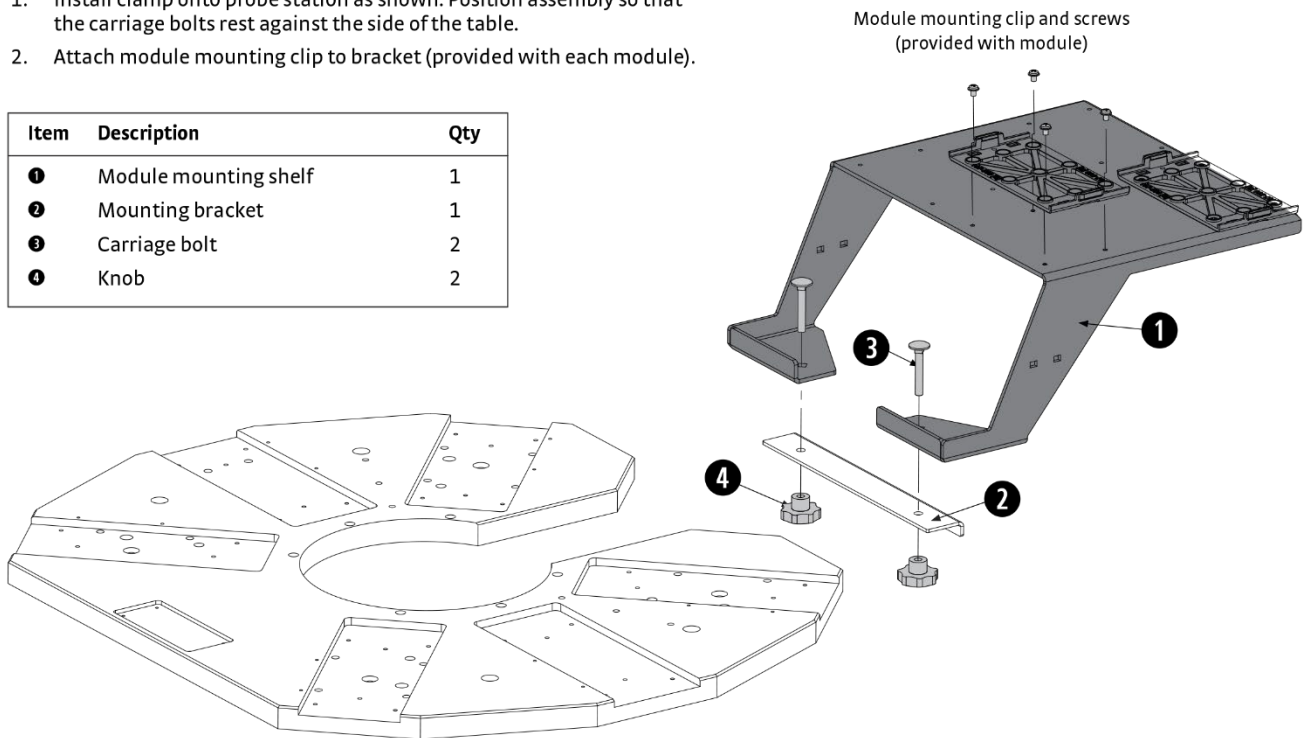
Item	Description	Qty
❶	Module mounting shelf	1
❷	Spacer	2
❸	M6 flat washer	2
❹	M6 lock washer	2
❺	M6 × 35 mm screw	2



M81-PMK-1: Module probe station mounting: clamp mounting

1. Install clamp onto probe station as shown. Position assembly so that the carriage bolts rest against the side of the table.
2. Attach module mounting clip to bracket (provided with each module).

Item	Description	Qty
❶	Module mounting shelf	1
❷	Mounting bracket	1
❸	Carriage bolt	2
❹	Knob	2



Lake Shore Technical Support

The Lake Shore Technical Support Department is staffed Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m. EST, excluding holidays and company shut down days: <https://www.lakeshore.com/support/>.

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