

Model K02006 Rack Mount Kit

Installation Instructions

Introduction

The **SIGNAL RECOVERY** model K02006 rack mounting kit is designed to allow one model 7230 DSP lock-in amplifier to be mounted in a standard 19" rack.

Components Supplied

Before starting to fit the rack mount kit to the instrument, please check that you have the following parts:

- a) One rack mounting tray.
- b) Two fascia plates, one for each flange on the left and right hand sides.
- c) Four M3 x 12 mm male/female hex spacers (these fit into the base of lock-in amplifier in place of the fixing screws for the plastic feet that are normally fitted).
- d) Eight M3 × 6 mm countersunk Posidriv screws.
- e) Four M6 × 16 mm (fixing screws to 19 inch rack).
- f) Four M6 plastic cup washers (for use with item e).

If any of these items are missing, contact your local **SIGNAL RECOVERY** office or agent before proceeding.

Procedure

- a) Turn off the instrument and disconnect any cables connected to it.
- b) Place a large, thick book, catalog, or similar (approx. 1" (25 mm) thick and of US Letter or A4 size) on a flat surface to form a raised "platform".
- c) Pick up the instrument, turn it upside down and rest it centrally on the raised platform, with the front panel facing towards you.
- d) Using a Posidriv/Phillips screwdriver of suitable size, remove the screw and washer from each of the four plastic feet assemblies, and remove the feet.
- e) Fit an M3 x 12 mm male/female hex spacer into each of the four threaded holes in the instruments base, in place of the removed plastic feet. The fitting of these spacers can be aided by use of a suitably sized nut driver or adjustable spanner.

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- f) Take the main rack tray and identify the four fixing holes in its base. Position the rack mount tray over the instrument so that the holes in the base of the tray line up with the hex spacers fitted to the instruments base, with the flanges towards the front panel of the instrument.
- g) Secure the instrument to the rack mount tray by using four of the M3 × 6 mm countersunk Posidriv screws.
- h) With the instrument now fitted to the rack mount tray, pick up the assembly, turn the correct way up and again rest centrally on the raised platform, with the front panel facing towards you.
- i) Take one of the fascia plates and offer up to the correct side flange of the rack mount tray - it will only fit properly on one side. Orientate the fascia plate so that the two M3 countersunk holes align with the threaded inserts in the flange. Fix the first fascia plate in place using two M3 × 6 mm countersunk Posidriv screws.
- j) Take the second fascia plate and repeat step i) for the opposite flange of the rack mount tray.
- k) We suggest that the four feet assemblies, fixing screws and washers removed in section d) and the other spare screws be placed in a small plastic bag which can then be taped to the inner face of one side of the tray. This will ensure that the feet will be to hand if ever it is required to remove the instrument from the rack and return it to free-standing use.

This completes the installation of the kit. The instrument is now ready to be mounted into a suitable rack, with its Model PS0110 power supply module being placed in any convenient position within the rack.

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