

The Model 701960 Compact Instrument Cart is constructed of two supports, three shelves, an accessory tray, and four casters. The cart is 450 mm wide by 450 mm deep, and can support instruments weighing up to twenty kilograms. The upper shelf can be installed either horizontally or at an angle of approximately eighteen degrees. An optional keyboard tray and mouse stand can be installed in place of the handle, allowing use of external input devices.

2nd Edition : May 2004 (YK)
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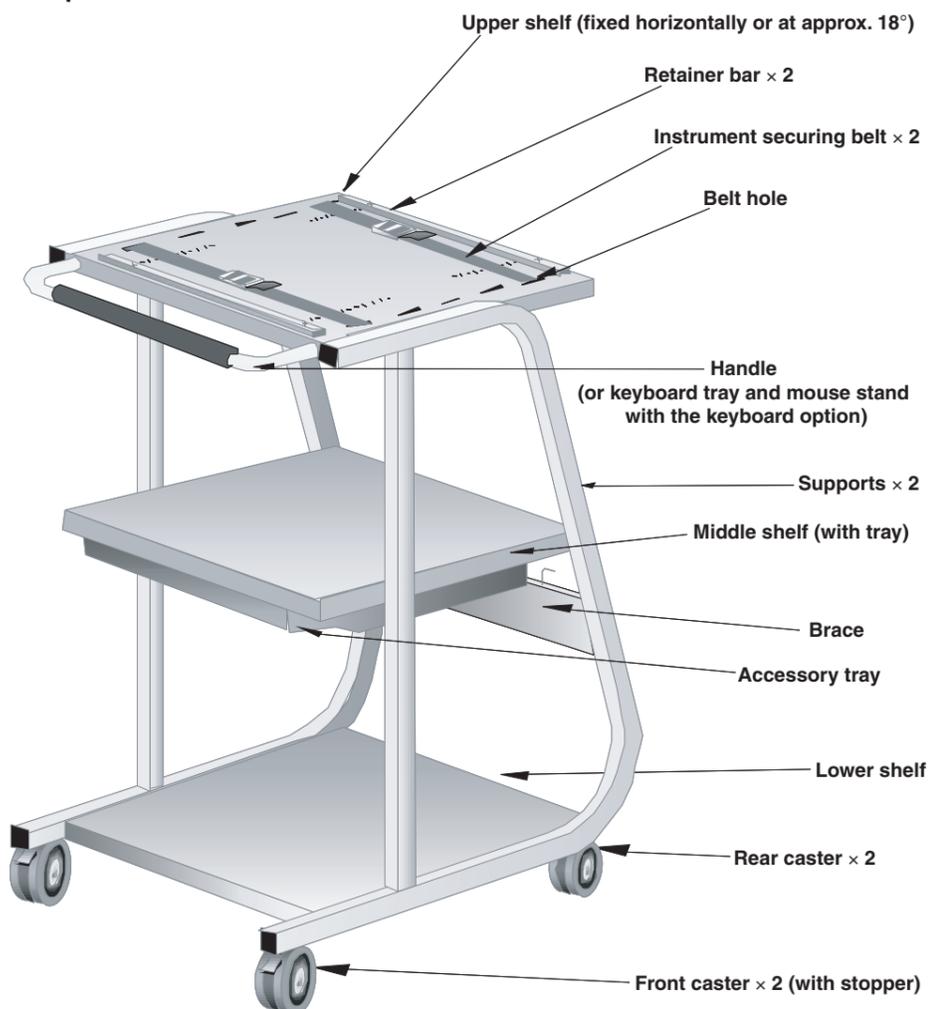
IM 701960-01E
2nd Edition

Safety Precautions

For safe use of this product, please take the following precautions.

- Keep the Cart Level**
 As much as possible, use the cart only on horizontal surfaces. When moving a loaded cart over an inclined or bumpy surface, ensure that the cart does not tip over and that the instrument does not fall off the cart.
- Double-Check Safety during Non-Specified Use**
 Loading an instrument onto the cart other than the ones recommended, or changing the instrument's position can alter the balance of the cart. Before use, make sure the cart does not tip over easily.
- Ground the Instrument**
 The cart is not grounded. Ground the instrument loaded on the cart using a 3-wire power supply cord.
- Do Not Exceed the Maximum Load**
 Ensure that the weight of the instruments loaded on each shelf does not exceed the specification.
- Fasten the Instrument Securely**
 For maximum safety, fasten the instrument to the cart using the accessory belt.

Component Parts



Instrument Size Restrictions

The following table shows the maximum allowable dimensions for instruments to be loaded onto the specified shelves of the cart. All instruments must weigh no more than twenty kilograms.

Shelf	HS-450 Type
Upper shelf	Yokogawa Measuring Instruments 450 mm (W) × 450 mm (D) × 300 mm (H)
Middle shelf	450 mm (W) × 450 mm (D) × 300 mm (H)
Lower shelf	450 mm (W) × 450 mm (D) × 240 mm (H)

Units: W=width, D=depth, H=height

Cart Specifications

Item	HS-450 Type
Upper shelf angle	Horizontal or approximately 18°
Outer (maximum) dimensions	500 mm (W) × 560 mm (D) × 705 mm (H)
Upper shelf dimensions	450 mm (W) × 450 mm (D) × 25 mm (H)
Middle/lower shelf dimensions	450 mm (W) × 450 mm (D) × 25 mm (H)
Space between middle and upper shelves	300 mm
Space between middle and lower shelves	240 mm (without accessory tray)
Maximum load (per shelf)	20 kg
Cart weight	21 kg

Options and Accessories

1. Option /A

Option /A comes with a keyboard tray and mouse stand. The keyboard tray replaces the handle on the upper shelf, and the mouse stand is attached to the underside of the front of the right support. This space-saving option is ideal when using the instrument together with external input devices.

2. Option /B

Option /B comes with a 3-prong power strip and a 3-to-2 prong adapter. The power strip can be used by attaching it to the brace (power strip board).

Power Strip

Rating: 15 A, 125 V With grounding tap
Cable length: 3 m

3. Accessories

The following accessories are included: instrument securing belts (2), retainer bars (2), keyboard tray (/A), mouse stand (/A), 3-prong power strip (/B), probe hanger, hex wrench (for assembly), caster wrench, screws (for assembly).

Assembly

Refer to the assembly diagrams and assemble the cart according to the desired configuration.

1. Assembling the Supports and Shelves

Loosely attach the upper (selecting the desired angle of the upper shelf), middle, then lower shelf to one of the supports using screws. Fasten the other support loosely with screws, then tighten all screws securely.

2. Attaching the Handle or the Optional Keyboard Tray

Insert the handle or keyboard tray into the front holes on the upper shelf, then fasten with screws.

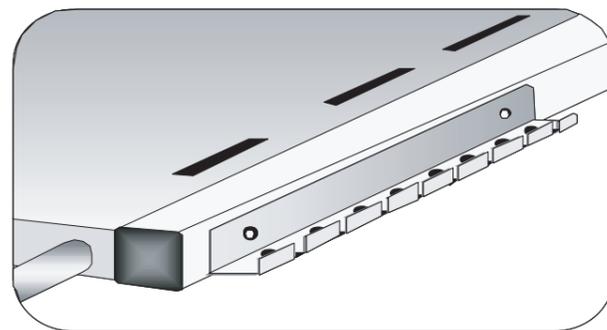
3. Attaching the Accessory Tray

The accessory tray is attached upon shipment from the factory. You can remove or reinsert the tray as desired.

4. Attaching the Probe Hanger

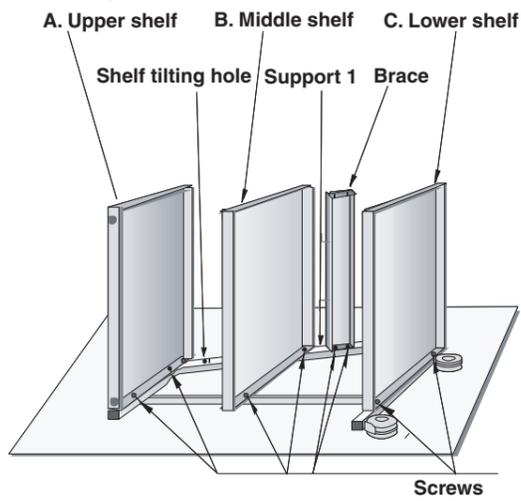
If you wish to use the probe hanger, attach it with screws to the side of the left or right support.

Attaching the Probe Hanger



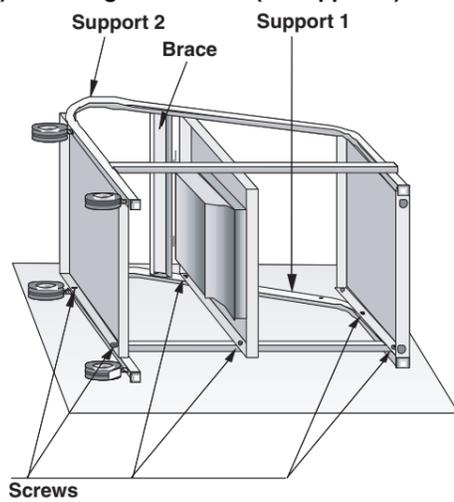
Assembly Diagram

(1) Attaching the Shelves (to Support 1)



- Lay a support (support 1) on its side with the screw holes facing up, then loosely attach the lower, middle, then upper shelves (in that order) to the support with two screws each. Next, fasten the brace tightly to the support with two screws.
- To tilt the upper shelf (at approximately 18°), attach the front screw using the same hole as above, but use the shelf tilting hole for the back screw (see diagram).
- The accessory tray on the middle shelf can be removed or reinserted if desired.
Removal: As you gently pull out the tray, you will feel it “catch” after 5 mm. If you pull it out completely the tray stops at 27 cm. When completely open, lift up on the tray and pull it toward you to release it from its rails.
Reinsertion: Insert the tray along the rails on the underside of the middle shelf, then push in the tray completely.

(2) Attaching the Shelves (to Support 2)



- With the shelves attached to support 1, attach the other sides of the shelves loosely to the other support (support 2) in the same manner.
- When all screws have been fastened (12 including those from step (1)), tighten each screw while checking for misalignments.
- Finally, attach the brace to support 2.

(3) Attaching Accessories

Attaching the Handle

Insert the handle into the holes on the front of the upper shelf, then fasten with screws.

Keyboard

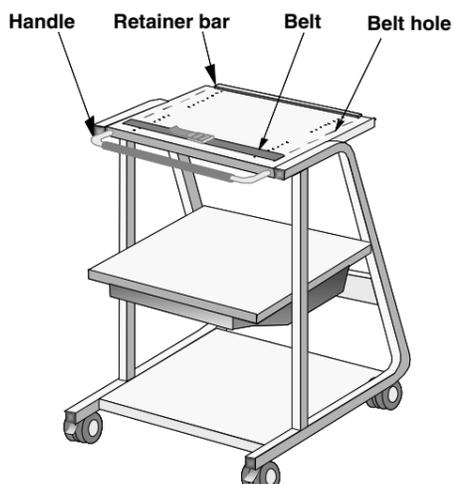
If you chose the keyboard option, attach the keyboard and mouse stand instead of the handle. (See figure)

Attaching the Retainer Bars

If the retainer bars are needed to prevent the instrument from sliding off the shelf, attach them using screws in the positions shown.

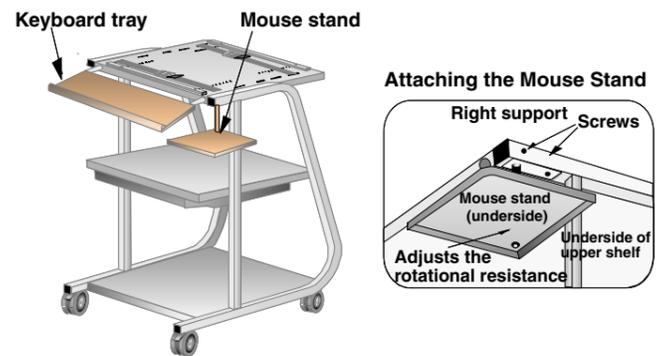
Attaching the Belts

Pass the belts through the belt holes as shown, then fasten. (Use the belts to securely fasten the instrument if necessary).

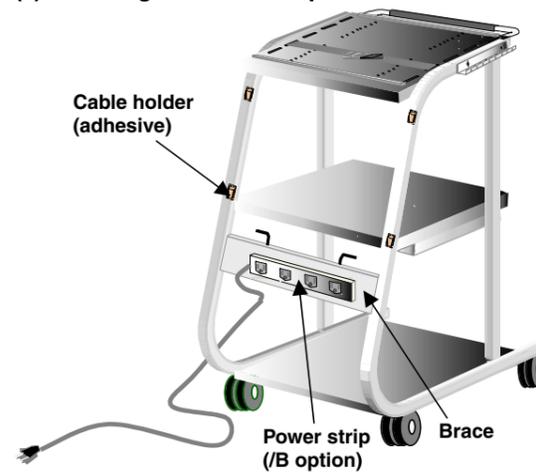


(4) Attaching the Keyboard Tray and Mouse Stand (Keyboard Option)

Fasten the mouse stand attachment fixture with screws to the specified location on the support, then attach the mouse stand. (The stand can be folded under when not in use. The rotational resistance can be varied by adjusting the screw on the back of the stand.)



(5) Attaching the Power Strip



- Attach the power strip to the power strip board using the magnets on the back of the power strip.

WARNING

The power strip is rated at 15 A, 125 V. Do not exceed this rating as doing so can result in emission of heat or fire.