

User’s
Manual

Model 701961
Deluxe Instrument Cart

The Model 701961 Deluxe Instrument Cart is constructed of two supports, two shelves, an accessory tray, and four casters. The cart is 450 mm wide by 450 mm deep, and can support instruments weighing up to fifty kilograms. The height of the shelves is adjustable, and the lower shelf features a drawer for convenient storage of accessories. An optional keyboard tray and mouse stand can be installed in place of the handle, allowing use of a PC or keyboard.

3rd Edition : August 2006 (YK)
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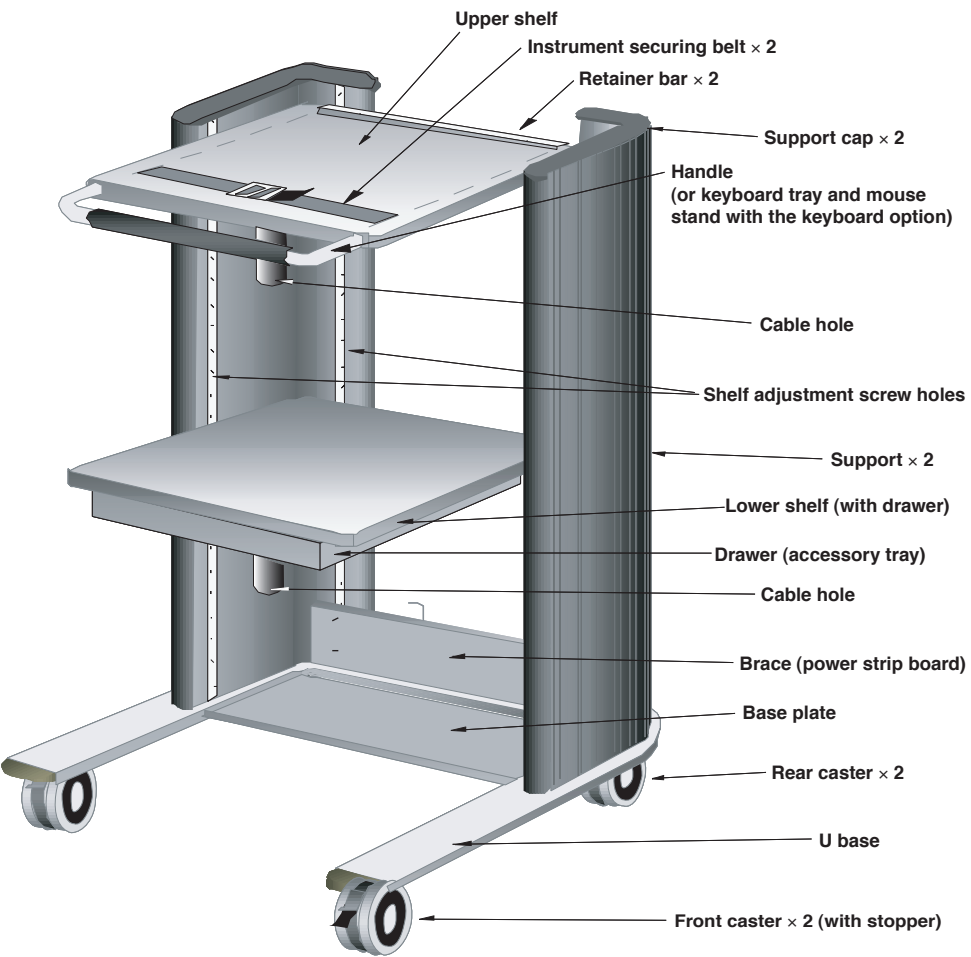
IM 701961-01E
3rd Edition

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. Each instrument must weigh no more than fifty kilograms.

Upper shelf	Yokogawa Measuring Instruments 450 mm (W) × 450 mm (D) × 400mm (H)
Lower shelf	450 mm (W) × 450 mm (D) × 400mm (H)

Cart Specifications

Item	
Shelf position	Adjustable to any position using screw holes
Outer (maximum) dimensions	570mm (W) × 580 mm (D) × 839mm (H)
Upper shelf dimensions	450mm (W) × 450mm (D) × 35mm (H)
Lower shelf dimensions	450mm (W) × 450mm (D) × 35mm (H)
Space between upper and and a 3-to-2 prong adapter. The power strip can be used by attaching it to the brace (power strip board).5 lower shelves Depends on position of shelves	
Maximum load (per shelf)	50 kg
Cart weight	25 kg

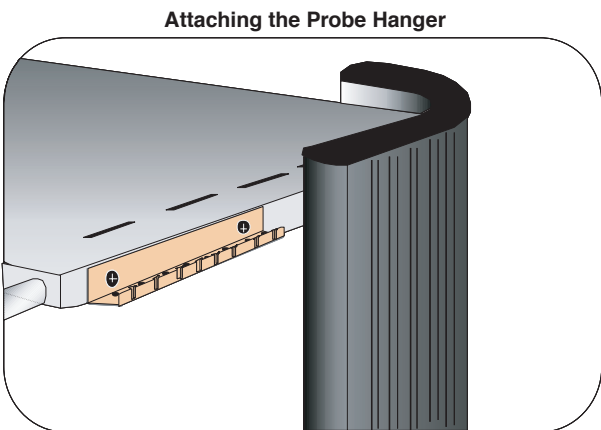
Options and Accessories

- 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-right corner of the top shelf. This option is ideal when using the measuring instrument together with external input devices.
- 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
- Accessories**
The following accessories are included: instrument securing belts (2), retainer bars (2), (keyboard tray (/A), mouse stand (/A), 3-prong power strip (/B) and a 3-to-2 prong adapter. The power strip can be used by attaching it to the brace (power strip board). and a 3-to-2 prong adapter. The power strip can be used by attaching it to the brace (power strip board)., probe hanger, hex wrench (for assembly), caster and a 3-to-2 prong adapter. The power strip can be used by attaching it to the brace (power strip board).wrench, screws (for assembly).

Assembly

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

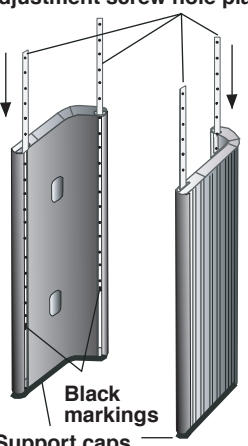
- Attaching the Shelf-Adjustment Screw Hole Plates to the Support**
Insert the four shelf-adjustment screw hole plates into the groove in the left and right supports. Insert them so that the black markings on the shelf-adjustment screw hole plates are at the top end of the cart (the support cap side).
- Assembling the U Base, Supports, Shelves, Brace (Power Strip Board), and Base Plate**
Loosely screw the two supports to the U base, then the upper and lower shelves (in that order) to the supports. Next, loosely fasten the brace (power strip board) to the supports. When all of the above parts are loosely attached, correct any misalignments and tighten all screws securely. Finally, fasten the base plate with screws, and attach the casters (the two front casters have a stopper).
- Attaching the Handle or the Optional Keyboard and Mouse Stand**
Insert the handle or keyboard tray into the front holes on the upper shelf, then fasten with screws. The mouse stand is fastened to the underside of the right-front corner of the upper shelf.
- Attaching the Probe Hanger**
If you wish to use the probe hanger, attach it with screws to the left or right side of the upper shelf.



Assembly Diagram

(1)Inserting the Shelf-Adjustment Screw Hole Plates into the Supports)

Shelf-adjustment screw hole plates

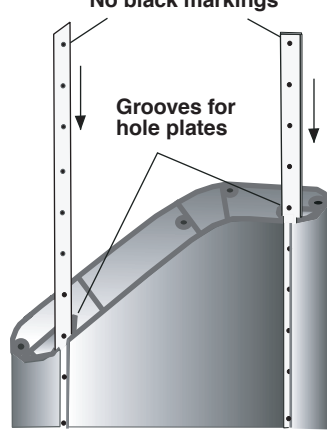


Black markings

Support caps

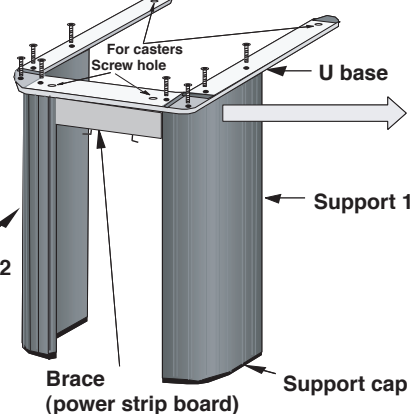
No black markings

Grooves for hole plates



- Insert the shelf-adjustment screw hole plates into the right and left supports so that the black markings are on the cap side (the upper end after assembly). If the shelf-adjustment screw hole plates are upside down, the top of the support caps will be about 23 mm higher than the top shelf (they should be about 8.5 mm higher).

(2) Attaching the Supports to the Base



U base

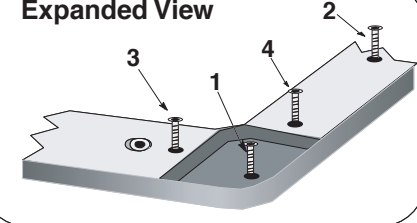
Support 1

Support 2

Brace (power strip board)

Support cap

Expanded View



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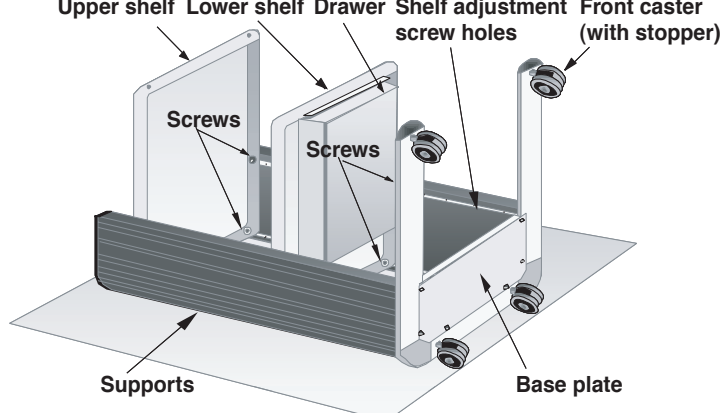
4

2

1

- Place the U base on the two supports as shown in the diagram, then align the screw holes and loosely fasten with screws (use washers) in the specified order. (It may be easier to substitute a table or other stable surface for one of the supports while attaching the first support. Also, if screws 2 and 3 are difficult to insert, it helps to lay the U base and support down horizontally.)
- Next, fasten the brace loosely with screws.
- When the supports are loosely attached, correct any overall misalignments and tighten all screws securely.

(3) Attaching the Shelves, Base Plate, and Casters to the Supports



Upper shelf

Lower shelf

Drawer

Shelf adjustment screw holes

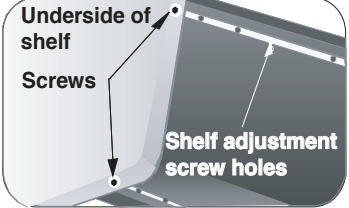
Front caster (with stopper)

Screws

Supports

Base plate

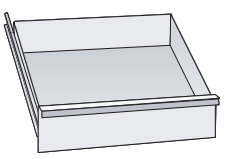
Expanded View of Shelf Attachment



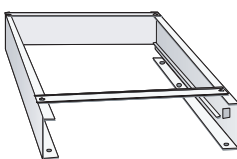
Underside of shelf

Screws

Shelf adjustment screw holes



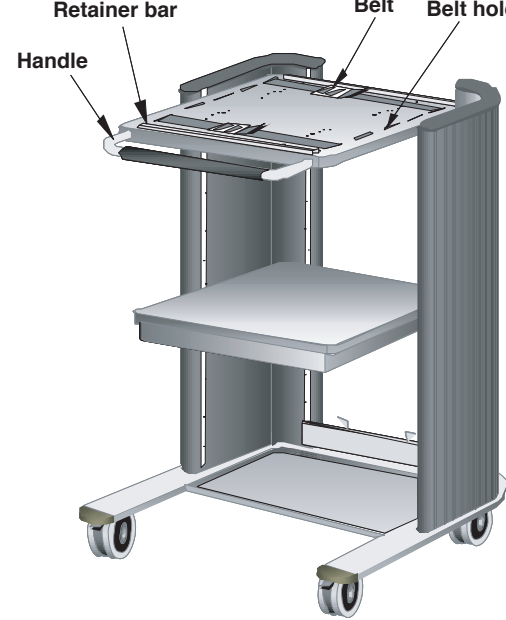
Drawer



Drawer rails

- Lay the support-U base assembly on its back as shown in the figure, then loosely fasten the upper and lower shelves (in that order) using the adjustment screw holes (selecting the desired shelf position). Correct any misalignments then tighten all screws securely.
- After attaching the lower shelf, attach the drawer to the underside of the lower shelf. (Turn the cart upside down, then attach the drawer rails to the underside of the lower shelf with screws).
- Finally, fasten the base plate to the underside of the U base with screws, then attach all casters, support caps, and accessories.

(4) Attaching Accessories



Retainer bar

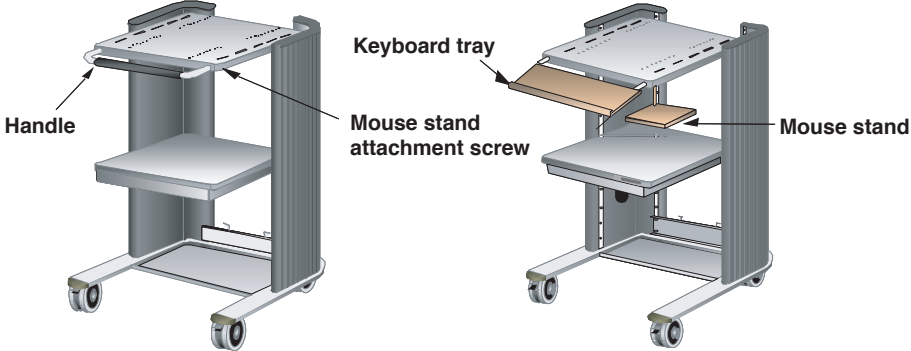
Belt

Belt hole

Handle

- 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 with screws in the positions shown.
- Attaching the belt: Pass the belts through the belt holes as shown, then fasten. (Use the belts to securely fasten the instrument if necessary).

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



Handle

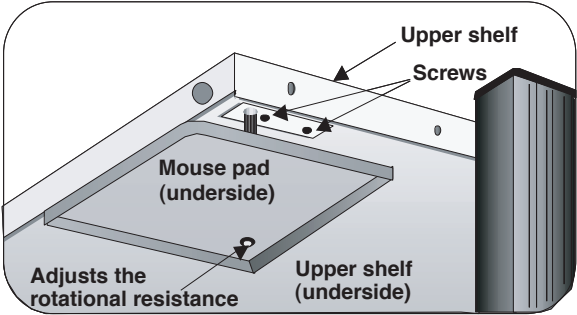
Keyboard tray

Mouse stand attachment screw

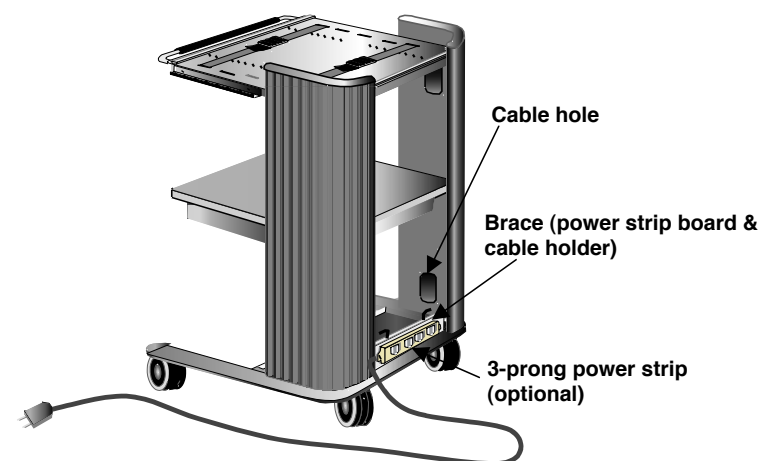
Mouse stand

- Insert the keyboard tray into the holes on the front of the upper shelf in place of the handle, then fasten with screws.
- Fasten the mouse stand attachment fixture with screws to the underside of the right-front corner of the upper shelf, 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 pad).

Attaching the Mouse Stand



(6) Attaching the Power Strip



Cable hole

Brace (power strip board & cable holder)

3-prong power strip (optional)

- 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.