

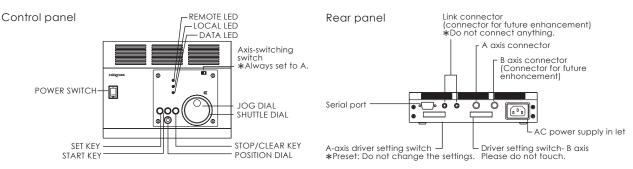
CONFIRMATION of the content of package

- *Motor controller ×1
- *Three-terminal conversion plugr ×1
- *Special driver cable ×1
 *RS-232C(crossing cable) ×1

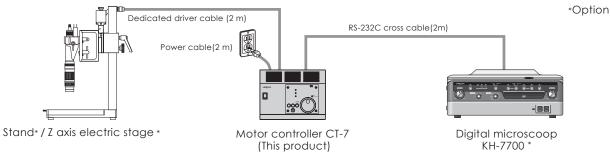
*Power cable ×1
*Operation manual (this book) ×1

RS-232C(crossing cable)

Parts Description



Composition figure



Connection method

- 1. Connect the accompanying power cable and insert it to the outlet.
- 2. Connect the A-axis connector and the driver cable connector of the motor-driven Z stage with a driver cable.
- 3. When remotely operating from KH-7700, connect to a digital microscope with a RS-232C cross cable. In the case of use of KH-1300, RS-232C cross cable is unnecessary.

TURN ON POWER

Make sure the followings before you turn the power switch on.

- The ditch on the shuttle dial is at the middle position (click position).
- \cdot The switch for future enhancement is set to A.

DITCH

- 1. Turn the power switch to ON.
 - LOCAL LED lights steadily, and DATA LED blinks.

2. Hold down the STOP/CLEAR key. DATA LED turns off *, and the present lens mounting block position becomes the starting initial position. Press the START key if you want to make the top of the lens mounting block movement range the starting initial position.

ĈT-7 Motor controller Operation procedure (When operating with this product.) Basic operation SHUTLLE DIAL Turn a jog dial or a shuttle dial to move the motor-driven focus block. Joa dial Used to fine-adjust the position. Turn right : Moves upward. Used to move the position fast. Turn left : Moves downward. JOG DIAL **Shuttle dial** : Used to move the position fast. When you move the motor-driven Z stage from the digital microscope: See user's manual coming with the digital microscope and the latest information sheet. Operation using the position dial The position dial can store up to 16 arbitrary motor-driven Z stage positions. However, it cannot store the upper end and the lower-end positions of the motor-driven focus block movement range. <Move the motor-driven focus block to the position where position data is stored> <Store positional data> <Clear the stored positional data> Move to a specified number Select a position dial number Select the dial number of position in which you Select a position dial number you want to clear. want to store position data. Press the STOP/CLEAR key while holding down If position data has already been registered in 2 Press the START key the SET key. the selected number, DATA LED lights. When DATA LED lights, select another number or The motor-driven focus block moves to the Data is cleared, and DATA LED turns off position in which position data is stored. clear the position data in the selected number Move all numbers continuously for the time being. Press the START key for two seconds. Move the motor-driven focus block to the position in which you want to store position The electric focus block sequentially and repeatedly moves to the positions stored in position dials 0 - F. Numbers in which nothing is stored are skipped. Press the STOP/CLEAR key to stop. data. Press the SET key. Position data is stored, and DATA LED lights.

Specification

Power supply voltage	AC 100 V±10%	Ambient atmosphere	No corrosive gas
Power consumption	270 mA	Transmission rate	38400bps
	Operating temperature: 0 - +40 degrees Celsius	Data length	8bit
Ambient temperature	Storage temperature: -15 - +50 degrees Celsius (No freezing, no condensing)	Parity	
		Stop bit	2bit
Ambient humidity	25 – 85 %RH (no condensing)	Mass	1.4kg

Cautions on use

Comply with the followings to avoid product's becoming inoperable or malfunctioning, and adverse effect on its performance and functions 1. Regarding installation environment

Install in a place specified below:

- A place where temperature is 0 40 degrees Celsius and humidity is 25 –
- 85 % (No condensation). A place well ventilated and not dusty
- A level and stable place with little vibration, enduring the weight of this product.
- 2. About installation
- Do not put anything on top of this product.
- 3. About power supply wiring
- Connect a power plug directly to an outlet of 100 V AC, 50/60 Hz, with earth terminal and allowing current capacity of 15 A or more.
- · Wire for dedicated power supply from where stable voltage is provided. Wiring from the same power supply where large appliance such as an air conditioner or a copier is connected may cause malfunction.
 - - Do not touch the power supply connector with a wet hand.
 Do not fail to connect a grounding cable when using accompanying three-terminal conversion plug.
 - About connecting/disconnecting the cable
 Connect/disconnect the cable after turning off the power supply to the main body.
 - 5 etc
 - · In case you should recognize any abnormality, stop using immediately, turn off the power, and consult with our branch office or business office staff. • This product should not be taken apart, repaired, or remodeled.
 - This product should be disposed of as industrial waste.

User's consent to terms and conditions when using this product

When using this product in the following environment, consult with our sales representative, check with specifications etc., and take safety precautions such as using with room in specifications and performance and providing safety circuit to minimize danger in case of trouble. a)Outdoor use, usage suffering potential chemical pollution or electrical interference, and use under condition or environment not described in and facilities restricted by administrative bodies or individual industry. c)Systems, machines, and devices that may endanger human life or properties. catalog, operation manual, etc. d)Facilities requiring high reliability such as gas, water, and electricity supply b)Nuclear power control plants, incineration facilities, railway, airline, and systems, and 24-hour continuous operation systems. vehicle facilities, medical instruments, amusement machines, safety devices, e)Other uses requiring advanced safety which are similar to a) to d) above. The specifications and design of this product described herein are subject to change without notice for modification or other reasons.

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