

NEITZ

BATTERY CHARGER RC-II

INSTRUCTION MANUAL



NEITZ INSTRUMENTS CO., LTD.

International Division

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Thank you for purchasing the **NEITZ BATTERY CHARGER RC-II**. Before use, please read this instruction manual to your safety, and keep it handy for future reference.

This Battery Charger has been designed exclusively for use with NEITZ Indirect Ophthalmoscope BX α and Retinoscope RX series.

In addition, please read the instruction manual of the medical instrument before charging.

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1. SAFETY PRECAUTIONS

This instruction manual uses a variety of common symbols and icons to assist you in proper handling and usage of this product, and to warn you of potential hazards to yourself and others. These symbols and icons and their significance are described below.

	WARNING Improper handling may cause death or serious injury.
	CAUTION Improper handling may cause damage or physical loss.

Symbols for prohibited action		Symbol for instructing action
	Prohibited	 Mandatory
	Disassembly prohibited	

For customers in Europe

 The “CE” mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. CE-mark products are for sale in Europe.

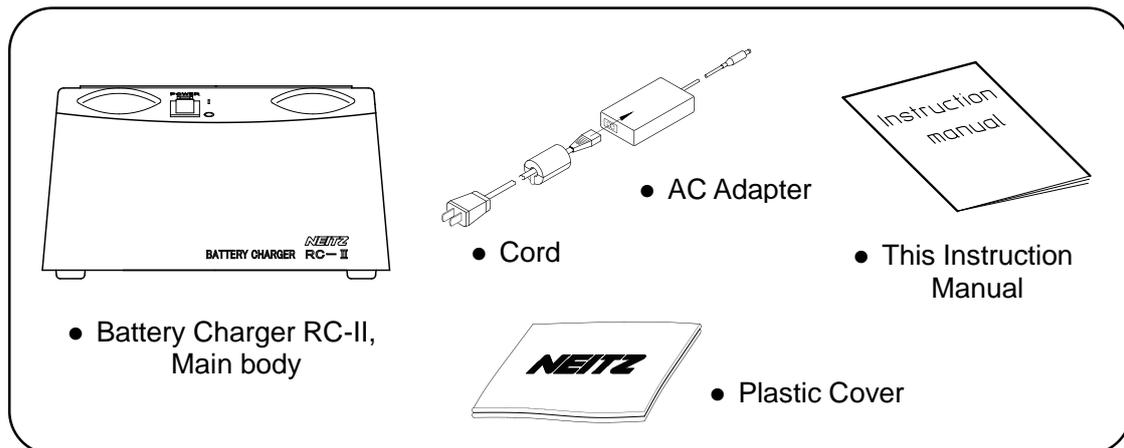
 WARNING	
	Do not charge except the designated instrument or the instrument not manufactured by NEITZ, as this may result in a damage and a fire ignition.
	Do not apply a strong impact and do not hurl it. It may cause a damage and an injury.
	Do not place it in an unstable nor sloped place, as this may result in a rollover, a malfunction and a damage.
	Do not use in extremely humid nor salty place, nor where the water hangs. It may cause an electric shock.
	Do not use it near the chemicals, the sulfur or a gas produced places. Do not use near the heat source.
	Never attempt to disassemble or modify it, as this may result in an electrical shock, fire ignition or an injury.

CAUTION

	When cleaning it, do not use volatile solvents such as the thinner, polishing powder, boiling water. It causes deformation and a damage.
	Never attempt to touch and transform the terminal for charge, it may cause an injury and a damage.
	Do not sterilize. It may cause a transformation and other troubles.
	Before use, please check the cords damage and abnormality, as this may result in a trouble.
	Unplug the charger from outlet if you will not use it for a long period. It may cause a trouble.

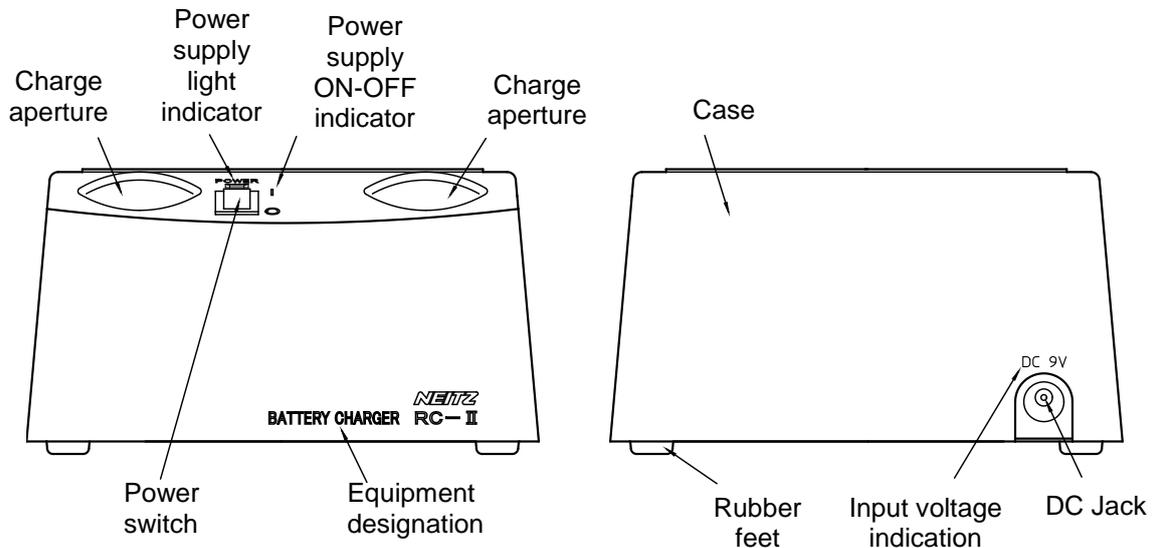
2. ITEM CHECK LIST

Please check that all parts and accessories are present. If any item is missing or damaged, please contact your dealer.

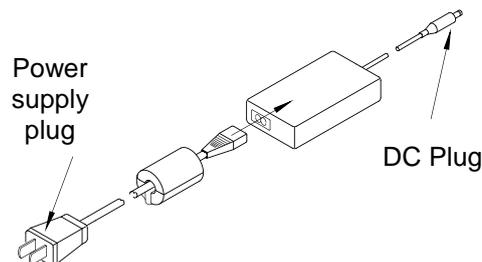


3. NOMENCLATURE

3.1. Battery charger main body



3.2. AC Adapter



4. OPERATION METHOD

1. Connect the DC Plug of the AC Adapter supplied with the unit to the DC Jack and plug the adapter into the outlet.
2. Please push the Power switch button from OFF (○ mark) to ON (I mark). The Power Supply Light turns GREEN.
3. Please definitely turn off the medical instrument before charging.
4. Charging the instrument takes approximately 15 hours from an empty state.
5. After charge completion, please turn off the unit. A fully charged instrument will last for approximately 1.5 hours.
6. Please pull the Power Supply Plug out from an outlet, when do not use.



Turn the medical instrument off when charging or do not charge continuously after the charge completion, it will reduce battery performance and the lifetime.

5. MAINTENANCE

5.1. Cleaning

- Wipe with dry cloth or soft cloth slightly moistened with much diluted natural detergent. After that wipe with dry cloth again.
- Maintain the charge apertures are empty.
- Wipe the terminal parts with cotton swabs.

5.2. Storage

Please store in attached plastic cover when do not use it for a long period.

Operating temperature: Range from 10 °C to 40 °C (50 F to 104 F)

Storage temperature: Range from -20 °C to 60 °C (-4 F to 140 F)

5.3. Safekeeping and Transportation

Keep it with charge apertures are empty and not be loaded and impacted.

5.4. Disposal

Dispose it according to local garbage rules or please return to the distributor.

6. TROUBLESHOOTING

Please check the following contents when not working normally.

Problem	Possible Causes	Solution
Do not charging	<ul style="list-style-type: none">• The Charger connection is not being made• No power to the charger	<ul style="list-style-type: none">• Check if the instrument is inserted correctly into the charge aperture.• Make sure the DC Plug is fully inserted in DC jack and an appropriate AC adapter.• Make sure the outlet has power.
Longer charging time or shorter usage hours	<ul style="list-style-type: none">• The battery is charged more than 500 times.• Battery performance is getting decreased or lifetime ends.	<ul style="list-style-type: none">• Change the battery• Change the battery

If the problem is not solved, please stop to use and contact the dealer immediately. Contact information is available in the end.

7. MAIN SPECIFICATIONS

Model name	: Battery charger RC-II
Description	: Dual / Desk-top type
Dimensions	: 180(W) x 98(H) x 78(D) (7.1 x 3.9 x 3.1 in)
Weight	: Approximately 460 g (16.2 oz)
Suitable Storage Battery	: 1000 RS (Ni-Cd battery)
Input voltage for AC adapter	: 100—240 V
Output voltage for AC adapter	: DC9V 2.5 A
Power Frequency	: 50/60 Hz
Electricity Consumption	: 12 VA

8. TECHNICAL SUPPORT or CONTACT INFORMATION

Please contact the following address if you have any questions or need technical support. Our phone customer support is available from 9:15 am to 5:40 pm (Monday to Friday).

NEITZ INSTRUMENTS CO., LTD.

36-13 Wakamatsu-Cho, Shinjuku-Ku, Tokyo 162-0056, JAPAN

Phone: (+81) 03-3204-2068

Fax: (+81) 03-3204-2069

E-mail: int@neitz.co.jp

URL: www.neitz-ophthalmic.com