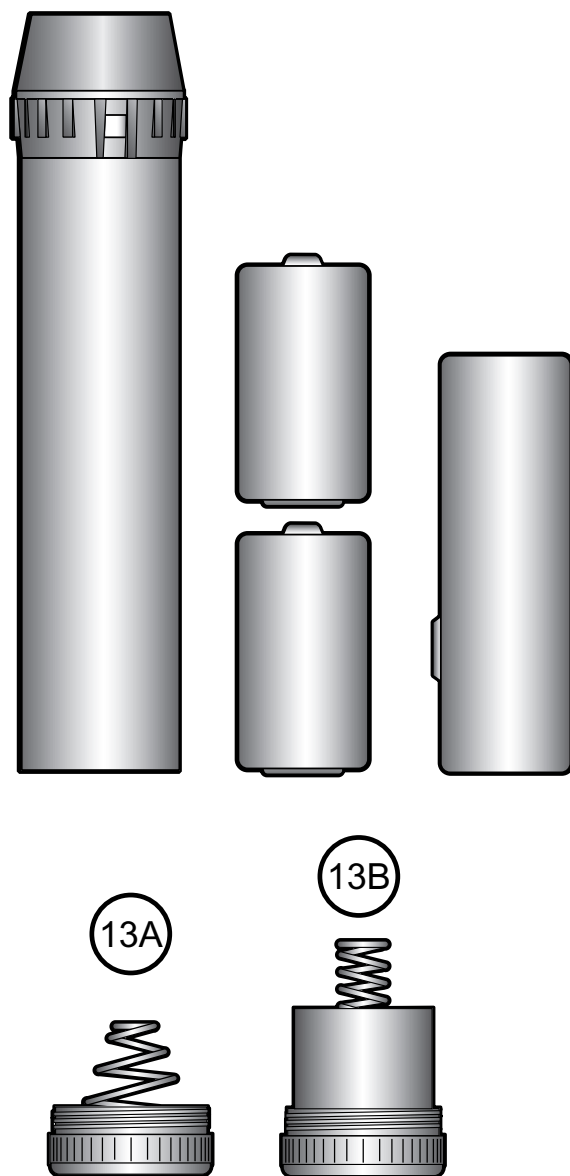


'C' SIZE HANDLE



PLEASE READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY



Keeler 'C' size Handles

Carefully read this Instruction Section before using your Keeler product. For your own safety and that of your customers observe all cautionary information provided in this section. The following information is intended to highlight potential safety hazards that can be associated with misuse, or damage.

Warning



This product must not be used in the presence of flammable gases.

Do not disassemble or modify the battery. There are no serviceable parts inside.

Do not dispose of battery in fire, Do not puncture.

Do not use a battery that is deformed, leaking, corroded or visually damaged.

If the product emits a strange odour, heat, or smoke, stop use immediately. The continued use of a damaged product or part may cause injuries.

Do not immerse the unit in any liquid

Do not use unit if damaged and periodically visually inspect for signs of damage.

Only Keeler handles with a red base can be used in the Keeler Charger. Do not try to insert a Keeler handle with a blue base into the Keeler Chargers. Refer to Keeler handle and bulb identification.

Caution

Remove dry cell batteries before prolonged periods of storage.

Use only Keeler rechargeable battery Pt. No 1919-P-7069.

Charge using Keeler chargers.

Do not mix battery types.

Do not charge battery in any environment where the temperature may exceed 40°C or fall below 0°C.

Keep out of reach of children.

Do not fit into damaged electrical supply outlet.

For indoor use only (protect from moisture)

To prevent condensation from forming, allow instrument to come to room temperature before use.

When connecting instrument heads to handles check that voltage of the bulb in the instrument corresponds with the voltage of the handle.

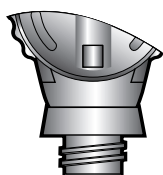
Ensure that the control is in the off position when the examination has been completed.

When replacing rechargeable cell, turn handle off and insert new cell. Replace bottom cap, and place handle into charging well.

Environmental

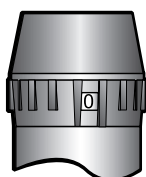
Dispose of battery in line with local regulations on recycling of batteries.

Tape over battery contacts to avoid short circuiting during disposal.

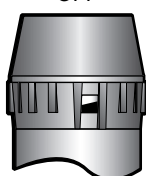


Connection of the instrument heads to the handle.

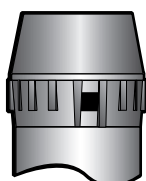
The connection between the instrument head to the handle is a screw thread. To connect our instrument head connect as shown and rotate in clockwise direction. Ensure the connection between the head and handle is positive.



OFF



HALF ON



FULL ON

Compatibility

The Keeler Specialist, Professional, Standard and Practitioner Ophthalmoscopes and Keeler Retinoscopes are compatible with Keeler Vista 2.8v and 3.6v Keeler handles.

On/Off brightness control

To switch the instrument on, rotate the brightness control as indicated to the right.

To switch off the instrument, rotate the brightness control as indicated to the left.

Keeler 'C' size Handles have a power indicator. This will show if the instrument is on or off.

Red = on

Silver = off.

Handle Identification

Keeler 'C' size handles are colour coded to allow you to distinguish between a dry cell battery handle (2.8v) and a rechargeable handle (3.6v). The handles are colour coded as follows:

Blue base = 2.8v. for dry cell batteries (with sleeve liner.)

13A

Red base = 3.6v for rechargeable batteries.

13B

Keeler bulbs are colour coded in the same way.

Blue base = 2.8v. for dry cell batteries.

Red base = 3.6v for rechargeable batteries.



Please ensure when replacing batteries and bulbs that the voltage corresponds to the handle. Dispose of old batteries safely in accordance with local regulations

Inserting/Replacing Batteries

Unscrew battery cap, insert batteries and replace battery cap as shown.
The following dry cell batteries should be used:

Keeler C size handle – 2 x 1.5v C size batteries. – Duracell MN 1400 or equivalent.

Please note Keeler rechargeable handles are normally supplied complete with a rechargeable battery.

(3.6v - 0.7Ah Ni-Cd)

Upgrade from Battery to Rechargeable Handles.

Your Keeler 2.8 v C Size Handle (blue base) dry cell battery handle can be upgraded to a 3.6v (red base) rechargeable handle. For part numbers required please see the accessory section

Please note the bulb in your instrument will also need to be upgraded from 2.8v to 3.6 v. Contact Keeler Service for details on 01753 857177.

Charging Instructions for Keeler 'C' size Rechargeable Handles.



Warning

Do not attempt to charge Non-Rechargeable batteries.

Battery Conditioning

Your Keeler rechargeable batteries need to be conditioned to ensure you achieve the maximum life from the product. Follow the conditioning instructions as indicated.

Step 1

Fully charge your new Keeler rechargeable battery. This will take approx. 15 hours.

Step 2

Use the instrument WITHOUT RECHARGING UNTIL THE BATTERY IS COMPLETELY EMPTY.

Step 3

Once empty recharge the battery until full. This will take approx. 15 hours. Repeat step 1, 2 and 3 three times. i.e. fully charge and discharge the battery three times to complete the conditioning process.

Once you have conditioned your batteries as described above you may place your instrument in the charger when not in use between examinations.

Charger Compatibility

Keeler Rechargeable Handles can be used in the following Keeler chargers:
Vista range of chargers (single, double, mobile)

Keeler Mini charger

Keeler Duo charger.

Please ensure you are using one of the power supplies listed



Non Keeler Chargers

Warning

Only charge your Keeler handle from a charger providing 65 mA current limited.



Keeler 'C' size rechargeable handles can be used with most other chargers. To charge the instrument in a non Keeler charger first ensure that the charging rate from the non Keeler charger is 65 mA current limited. Then remove the centre of the base cap, using a coin. Your Keeler handle can now be charged from another manufactures charger.

Cleaning Instructions

Only manual non-immersion cleaning as described below should be used for the instrument:

1. Wipe the external surface with a clean absorbent, non shedding cloth dampened with a water / detergent solution (2% by volume) or water / isopropyl alcohol solution (70% by volume).
2. Ensure that excess solution does not enter the instrument. Use caution to ensure cloth is not saturated with solution.
3. Surfaces should be carefully hand-dried using a clean non-shedding cloth.
4. Safely dispose of used cleaning materials.

Warranty & Service

No user serviceable parts - all preventative maintenance and servicing must only be performed by authorised Keeler representatives.

Your Keeler handle is guaranteed for 3 years and will be replaced or repaired free of charge subject to the following:

1. Any fault is due to faulty manufacture
2. Proof of purchase accompanies any claim.

MANUFACTURED IN THE UK BY:

Keeler Limited

Clewer Hill Road

Windsor

Berkshire SL4 4AA

England

Tel: +44 (0)1753 857177

Fax: +44 (0)1753 827145

FREEPHONE: 0800 521 251

Distributed by:

Keeler Instruments Inc

456 Parkway

Broomall

PA 19008, USA

Toll Free: 1 800 523 5620

Tel: 610 353 4350

Fax: 610 353 7814

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product indicates it has
been tested to and
conforms with the
provisions noted within
the 93/42/eec Medical
Device Directive.



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