




# Hillrom Welch Allyn 719 Series Lithium Ion Handle Instructions

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# Hillrom Welch Allyn 719 Series Lithium Ion Handle Instructions



## Intended use

The 719 Handle is intended to supply power to Welch Allyn 3.5V instrument heads such as otoscopes, ophthalmoscopes, retinoscopes, strabismoscopes, episcope, illuminators and transilluminators. The 719 Handle is intended for use in ambulatory and acute care settings.

The device is intended for users that are medically qualified, trained healthcare professionals.

## Symbol descriptions

For information on the origin of these symbols, see the Welch Allyn symbols glossary: [welchallyn.com/symbols/glossary](http://welchallyn.com/symbols/glossary).



**WARNING** The warning statements in this manual identify conditions or practices that could lead to illness,

injury, or death. Warning symbols will appear with a grey background in a black and white document.



**CAUTION** The caution statements in this manual identify conditions or practices that could result in damage to the equipment or other property, or loss of data.



— Separate collection of Electrical and Electronic Equipment. Do not dispose as unsorted municipal waste

**R<sub>x</sub> ONLY**


















Prescription only or "For Use by or on the order of a licensed medical professional"

**EC REP**

Authorized Representative in the European Community

**EC REP**

Equipment not protected against the ingress of water

	Product Identifier		Consult instructions for use
	Reorder number		Global Trade Item Number
	Lot code		Medical device
	Manufacturer		Type BF applied part
	Fragile		Class II equipment
	Keep dry		Rechargeable Li-Ion Battery
	Humidity limitation		Li-ion
	Temperature limit		Atmospheric pressure limitation
			Recycle



## Warnings

**WARNING** Read Operating Manual for Cautions and Instructions for Use.

**WARNING** Use the 719 Series Handle only with Welch Allyn approved products and chargers.

**WARNING** Welch Allyn p/n 71960 (Battery Section) is only suitable for use with the 719 series handle.

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

**WARNING** Do not attempt to directly solder to the battery pack.

**WARNING** Do not attempt to connect the positive and negative terminals to each other, nor to any other device.

**WARNING** Do not charge battery pack in any environment where the temperature may exceed 40°C (104° F) or fall below 0°C (32° F).

**WARNING** Do not dispose of the battery section in fire or water. Do not puncture, incinerate or subject to strong impact or shock.

**WARNING** Do not immerse the battery pack in any liquid.

**WARNING** Do not strike or throw the battery pack.

**WARNING** Do not use a battery pack which appears to be deformed, leaking, corroded, or is otherwise irregular.

**WARNING** Handle a damaged or leaking battery with extreme care. If you come into contact with the electrolyte, wash the exposed area with soap and water. If it contacts the eye, flush the eye with water for 15 minutes. Seek medical attention immediately.

**WARNING** When discarding a battery pack, contact your local waste disposal service provider regarding local restrictions on the disposal or recycling of batteries.

**WARNING** To avoid the risk of fire, burns, or damage to your battery pack or lamp, do not allow a metal object to touch across the battery contacts.

**WARNING** This product complies with current required standards for electromagnetic interference and should not present problems to other equipment or be affected by other devices. As a precaution, avoid using this device in close proximity to other equipment.

**WARNING** For information about electromagnetic compatibility (EMC), see the Welch Allyn website [welchallyn.com/emc-hndls](http://welchallyn.com/emc-hndls)

**WARNING** A printed copy of the emissions and immunity information can be ordered from Welch Allyn for delivery within 7 calendar days.

**WARNING** Do not expose battery pack to storage temperatures above 50°C (122°F) or below -20°C (-4°F).

**WARNING** Do not discharge battery pack if the ambient temperature is above 60°C (140°F) or below -20°C (-4°F).

**WARNING** For longest service, remove the handle and AC Charging Module from outlet when charging is complete. Do not leave AC Charging Module connected to power outlet without a handle attached.

## Disposal

Users must adhere to all federal, state, regional, and/or local laws and regulations as it pertains to the safe disposal of medical devices and accessories. If in doubt, the user of the device shall

first contact Hill-Rom Technical Support for guidance on safe disposal protocols.

## Residual risk

This product complies with relevant electro-magnetic interference, mechanical safety, performance, and biocompatibility standards. However, the product cannot completely eliminate potential patient or user harm from the following:

- Harm or device damage associated with electro-magnetic hazards,
- Harm from mechanical hazards,
- Harm from device, function, or parameter unavailability,
- Harm from misuse error, such as inadequate cleaning, and/or
- Harm from device exposure to biological triggers that may result in a severe systemic allergic reaction.

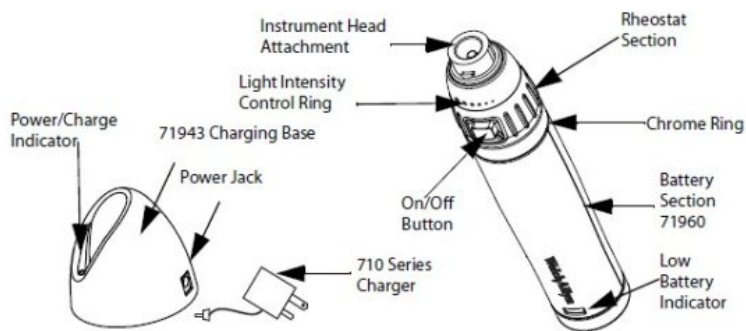
## Accessories

71955 USB charging accessory

71943 single well charging stand

7114x universal desk charger (double well)

## Parts list



## Operating instructions

1. Connect instrument head to the handle.
2. Depress On/Off Button on Rheostat Section and rotate the Light Intensity Control Ring clockwise (CW). To intensify light, continue to rotate until stop is reached (Figure 1).
3. To turn off, rotate counter clockwise (CCW). Button will click when fully off. Turn fully off after each use to ensure maximum on-time from the battery.

## Charging instructions

1. Plug the Charger into a wall outlet and the Power Jack on the Charging Base. The Power/ Charge Indicator will illuminate (green) when power is applied (Figure 1).
2. Insert the handle into the Charging Base. The Power/Charge Indicator will turn to amber during charge. Charge for 16 continuous hours to charge a dead battery (Figure 2).
3. When charging is complete, the Power/Charge Indicator will return to green. The handle may remain in the Charging Base if desired.

4. The Battery may be charged after partial discharge without negatively affecting overall battery memory (unlike Ni-Cad cells).
5. Diagnostic Instruments cannot be used while charging.



**CAUTION** The Battery Section is not shipped fully charged. For maximum performance charge the Battery Section for 16 hours when new or after a long period of inactivity.

### Low battery indicator

1. The Low Battery Indicator will illuminate several minutes before handle shuts off depending on the age of the battery (Figure 1).
2. Once the battery is fully discharged, the Low Battery Indicator may flicker.

### Battery replacement

#### Removing the Battery Section

1. Hold the instrument handle firmly by the Battery Section
2. Turn the Rheostat Section counterclockwise until it detaches from the Battery Section (Figure 3).

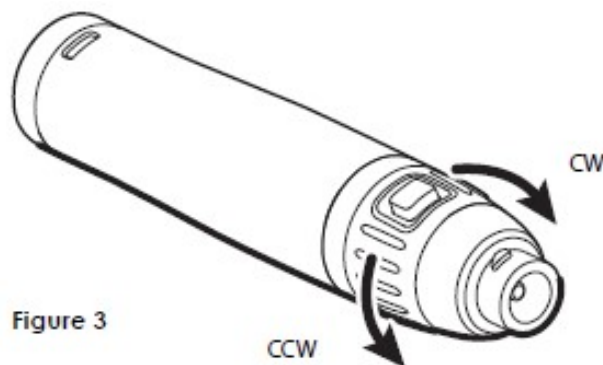


Figure 3

#### Replacing a new Battery Section

1. Insert the Rheostat Section into the new Battery Section.
2. To connect the two sections, turn the Rheostat Section clockwise until tight (Figure 3).
3. Verify the Rheostat Section is secure on the Battery Section of the instrument handle.

### Cleaning and disinfection

Wipe the handle and charger with an appropriate health care low- or intermediate-level cleaner/disinfecting wipe that incorporates either a 1:10 sodium hypochlorite (bleach) solution or 70% isopropyl alcohol as the active disinfection ingredient. Follow wipe manufacturer's instructions for appropriate use, contact times and applicable warnings and precautions.



**WARNING** Do not excessively soak/saturate the handle assembly or charger.



**WARNING** Do not immerse handle assembly or charger in any solution.



**WARNING** Do not sterilize the 719 Series power handle, charging base, or charger.

After disinfection, inspect the handle assembly for visible signs of deterioration at its switch, device end connector and housing. If evidence of damage or deterioration is present, discontinue use and contact Hillrom's Technical Support department for assistance.

#### Handle

Model number 71911

Dimensions 5.4" Long x 1.125" Diameter (Max.) (137mm x 28.6 mm)

Weight 4.5 oz. (128 g)

Typical charge time 16 hours (fully discharged)

Typical discharge time 110 minutes (for new battery)

Operating mode Continuous operation

Environmental Temperature

Relative humidity,  
non-condensing

Atmospheric  
pressure

Storage/transport -20° to 55°C (-4° to 120°F) 10 – 95 % 500 – 1060 hPa

Operating 10° to 49°C (59° to 104°F) 30 – 90 % 500 – 1060 hPa

## Approvals

Complies with IEC/UL/CSA/EN 60601-1

## Lot code

For lot code YY-JJJ, YY=Year, and JJJ=Consecutive day of the Julian year.

## PATENT/PATENTS

[hillrom.com/patents](http://hillrom.com/patents)

May be covered by one or more patents. See above internet address. The Hill-Rom companies are the proprietors of European, US, and other patents and pending patent applications.

## Hillrom Technical Support

For information about any Welch Allyn product, contact Hill-Rom Technical Support: [hillrom.com/en-us/about-us/locations](http://hillrom.com/en-us/about-us/locations)

## Service and warranty

### Service

If the product fails to function properly or if assistance, service, or spare parts are required, contact Hillrom Technical Support.

## Warranty

The 719 series Power Handle is guaranteed by Welch Allyn against all manufacturing defects.

Welch Allyn will repair or replace, free of charge, any parts of its own manufacture proven to be defective through causes other than misuse, neglect, damage in shipment, or normal wear.


Welch Allyn warrants that the Welch Allyn 71960 Battery Section will perform to original specifications during the two years from the date of manufacture, when used with the Welch Allyn 719 series Power Handle. This warranty does not apply to the use of the 71960 battery in other products. A defective battery will be replaced if it fails within two years of the date of manufacture. Welch Allyn reserves the right to make changes without notice in design, specifications and models. The only warranty Welch Allyn makes is the express written warranty extended on the sale or rental of its products.

## Notice to users and/or patients in EU











Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

## Read More About This Manual & Download PDF:

### Documents / Resources

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## References

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