

# Welch Allyn®

Material No. 728482  
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## 719 Series Lithium Ion Handle

### INTRODUCTION

Thank you for purchasing the Welch Allyn 719 Series Lithium Ion Power Handle. The 719 series represents a new generation of handles from Welch Allyn. Taking advantage of new battery technology, the 719 series provides you double the on-time in a smaller and lighter weight package. Smarter battery technology means that “memory” is no longer an issue. What’s more, the 719 reminds you to recharge with its low battery indicator. The soft rheostat section provides a sure grip and the overall design is ergonomically sound. The charging prongs, located in the lower section, can be easily accessed. Once charged, the prong section can either remain attached to the handle or be stored in a case.

**Before using this product, please read the following warnings and instructions.**

### SAFETY AND WARNINGS



**Attention: Read Operating Manual for Cautions and instructions for use.**

- POSSIBLE EXPLOSION HAZARD. Equipment not suitable for use in the presence of a flammable anesthetic.
- Use the 719 Series Handle only with Welch Allyn approved products and chargers.
- Welch Allyn p/n 71960 (Battery Section) is only suitable for use with the 719 series handle.
- Do not disassemble or modify the battery pack. There are no serviceable parts inside.
- Do not attempt to directly solder to the battery pack.
- Do not attempt to connect the positive and negative terminals to each other, nor to any other device.
- Do not charge battery pack in any environment where the temperature may exceed 40°C (104° F) or fall below 0°C (32° F).
- Do not dispose of the battery section in fire or water. Do not puncture, incinerate or subject to strong impact or shock.
- Do not immerse the battery pack in any liquid.
- Do not strike or throw the battery pack.
- Do not use a battery pack which appears to be deformed, leaking, corroded, or is otherwise irregular.
- 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.
- When discarding a battery pack, contact your local waste disposal service provider regarding local restrictions on the disposal or recycling of batteries.
- 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.
- Disconnect instrument head while charging.
- 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.
- 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.
- For information about electromagnetic compatibility (EMC), see the Welch Allyn website: [www.welchallyn.com/emc-hndls](http://www.welchallyn.com/emc-hndls)
- A printed copy of the emissions and immunity information can be ordered from Welch Allyn for delivery within 7 calendar days.

FOR BEST PERFORMANCE:

- Do not expose battery pack to storage temperatures above 50°C (122°F) or below -20°C (-4°F).
- Do not discharge battery pack if the ambient temperature is above 60°C (140°F) or below -20°C (-4°F).

**Avant d’installer le bloc-batterie, veuillez lire les informations suivantes et les conserver pour consultation ultérieure.**

### Mise en garde



**Attention, veuillez lire le manuel d’utilisation pour les précautions à prendre et le mode d’emploi.**

- RISQUE D’EXPLOSION. Ne pas utiliser l’équipement en présence d’anesthésiques inflammables.
  - Utiliser la poignée série 719 uniquement avec les produits et chargeurs agréés par Welch Allyn.
  - La référence 71960 Welch Allyn (section de la batterie) est adaptée uniquement à la poignée série 719.
  - Ne pas essayer de démonter ou de modifier le bloc-batterie. Il ne contient pas de pièces réparables par l’utilisateur.
  - Ne pas essayer de souder un autre dispositif directement au bloc-batterie.
  - Ne pas essayer de raccorder les bornes positives et négatives l’une à l’autre, ni à un autre dispositif.
  - Ne pas charger, le bloc-batterie dans un lieu où la température ambiante risque de dépasser 40°C ou de tomber en dessous de 0°C.
  - Ne pas jeter la partie batterie dans le feu ou dans l’eau. Ne pas perforer, incinérer ni soumettre à un impact ou un choc puissant.
  - Ne pas plonger le bloc-batterie dans un liquide.
  - Ne pas cogner ni lancer le bloc-batterie.
  - Ne pas utiliser un bloc-batterie qui présente une déformation, une fuite, de la corrosion ou une anomalie quelconque.
  - Manipuler une batterie endommagée ou présentant une fuite avec grande prudence. En cas de contact avec l’électrolyte, laver la zone exposée à l’eau et au savon. En cas de contact oculaire, rincer l’œil à grande eau pendant 15 minutes et consulter immédiatement un médecin.
  - Lors de la mise au rebut d’un bloc-batterie, contacter le service de ramassage d’ordures local pour se renseigner sur les restrictions locales portant sur la mise au rebut ou le recyclage des batteries.
  - Pour éviter les risques d’incendie, de brûlures ou d’endommagement du bloc-batterie, ne laisser aucun objet métallique entrer en contact avec les bornes de la batterie ou de l’ampoule.
  - Débrancher la tête de l’instrument pendant la recharge.
  - Pour prolonger la durée de service, débrancher la poignée et le module de charge de la prise de courant une fois la recharge terminée. Ne pas laisser le module de charge branché sur la prise courant sans poignée attachée.
  - Ce produit est conforme aux normes applicables et requises en matière de brouillage électromagnétique et ne devrait pas affecter d’autres appareils, ni être affecté par d’autres appareils. Par mesure de précaution, il convient d’éviter d’installer ce dispositif à proximité d’autres équipements.
  - Pour obtenir des informations relatives à la compatibilité électromagnétique (CEM), consulter le site Web de Welch Allyn : [www.welchallyn.com/emc-hndls](http://www.welchallyn.com/emc-hndls).
  - Une version imprimée des informations relatives aux émissions et à l’immunité peut être commandée auprès de Welch Allyn et sera livrée dans un délai de 7 jours calendaires.
- POUR DES RÉSULTATS OPTIMUM:
- Ne pas entreposer le bloc-batterie à une température ambiante supérieure à 50°C ou inférieure à -20°C.
  - Ne pas décharger le bloc-batterie si la température ambiante est supérieure à 60°C ou inférieure à -20°C.

**Antes de instalar la batería, lea por favor la siguiente información y guárdela en lugar seguro para su futura referencia:**

### Advertencias



**Atencion: Lea el Manual de Operación para obtener precauciones e instrucciones de uso.**

- POSIBLE RIESGO DE EXPLOSION. Este equipo no es compatible para su uso en presencia de anestésicos inflamables.
- Utilice el Mango Serie 719 sólo cargadores y productos autorizados por Welch Allyn.
- Parte No. 71960 de Welch Allyn (sección de la batería) es compatible sólo con los Mangos de la Serie 719.
- No desarme la batería. Esta no contiene piezas que el usuario pueda reparar.
- No intente soldar directamente a la batería.
- No intente conectar el terminal positivo al negativo ni estos a ningún otro dispositivo.
- No cargue la batería en ningún lugar con temperaturas que excedan los 40°C (104°F) o que estén debajo de los 0°C (32°F).
- No deseche la batería en fuego o agua. No la perforo, incinere ni someta la batería a un impacto o golpe fuerte.
- No sumerja la batería en agua.
- No golpee ni arroje la batería.
- No utilice la batería si está deformada, corroída, con fugas o si presenta algún otro tipo de defecto.
- Maneje con sumo cuidado baterías dañadas o con fugas. Si el electrolito de la batería entra en contacto con la piel, lave la zona afectada con agua y jabón. Si entra en contacto con los ojos, enjuáguelos con agua durante 15 minutos y llame inmediatamente al médico.
- Al desechar una batería, llame al servicio de recojo de basuras local para informarse de las normas y restricciones locales para el desecho o reciclamiento de baterías.
- Para evitar el riesgo de incendio, quemaduras o daños a la batería o lámpara, no permita que ningún objeto de metal toque los contactos de la batería.
- Desconecte el cabezal del instrumento al cargar la batería.
- Para un servicio prolongado: retire el mango y el cargador de la toma de corriente una vez completada la carga.
- Este producto cumple las normas actuales obligatorias relativas a la interferencia electromagnética y no debe ocasionar problemas a otros equipos ni verse afectado por otros dispositivos. Como precaución, evite utilizar este dispositivo cerca de otros equipos.
- Si desea obtener información sobre la compatibilidad electromagnética (EMC), consulte la página web de Welch Allyn: [www.welchallyn.com/emc-hndls](http://www.welchallyn.com/emc-hndls).
- Se puede pedir un ejemplar impreso de la información sobre emisiones e inmunidad a Welch Allyn, que se entregará en un plazo de 7 días naturales.

PARA MEJORES RESULTADOS:

- No almacene la batería en lugares donde las temperaturas sean mayores a 50°C (122°F) o debajo de los -20°C (-4°F).
- No descargue la batería si la temperatura ambiente se encuentra sobre los 60°C (140°F) o por debajo de los -20°C (-4°F).

### Parts List

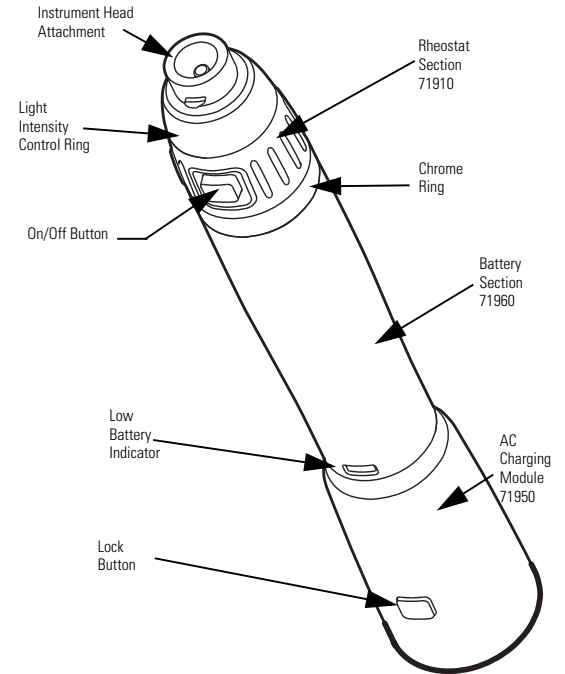


Figure 1

### 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.

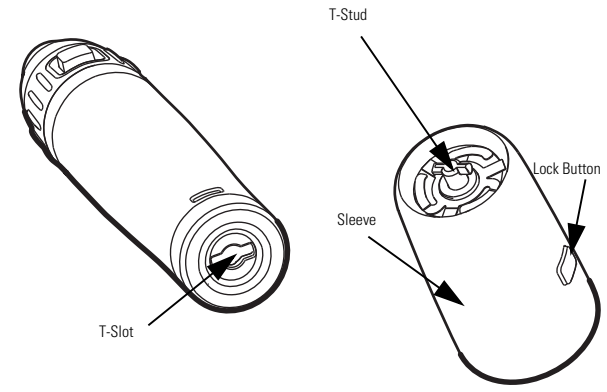


Figure 2

## CHARGING INSTRUCTIONS

1. Remove instrument head.
2. Insert T-stud on the AC Charging Module into the T-slot on the Battery Section (Figure 2). Rotate 90° in either direction. T-stud will lock into place.
3. To expose prongs, depress lock Button on the AC Charging Module (Figure 1). With the Lock Button depressed, slide Sleeve toward Rheostat Section.
4. Plug into standard (110-120v 50/60 Hz) wall outlet. Charge for 18 continuous hours to charge a dead battery.
5. Battery may be charged after partial discharge without negatively affecting overall battery memory (unlike Ni-Cad cells).
6. Do not attempt to use the instrument during charge, the instrument will not operate. When charging is complete remove the handle and charger from outlet. For longest service, do not leave AC Charging Module plugged into a power outlet without a handle attached.
7. Slide sleeve back over prongs. The Lock Button will click when prongs are fully hidden.
8. Remove AC Charging Module from the Battery Section if desired.

**CAUTION** The battery section is not shipped fully charged. For maximum performance charge the battery section for 12 - 16 hours when battery section is new or after a long period of inactivity.

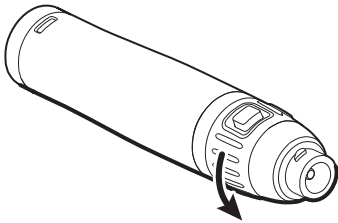
## LOW BATTERY INDICATOR

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.



### 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.
3. Verify the Rheostat Section is secure on the Battery Section of the instrument handle.

## CLEANING AND DISINFECTION

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

Do not excessively soak/saturate the handle assembly.

Do not immerse handle assembly in any solution.

Do not sterilize the Power Handle.

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 Welch Allyn or your area representative.

## SPECIFICATIONS

(Specifications and design may change without notice)

**Model Number:** 71900

**Dimensions:** 7.5" Long x 1.125" Diameter (Max.), 5.4" Long without AC Charging Module

**Weight:** 7.1 oz, 4.5 oz without AC Charging Module

**Typical Charge Time:** 18 hours (fully discharged)


**Typical Discharge Time:**110 minutes (for new battery)


**Input:** 120V~60Hz 0.17A


**Conforms with:** IEC/UL/CSA/EN 60601-1


### Continuous Operation

## SYMBOLS

 Temperature limitation  
Operating:  
59°F (10°C) -104°F (49°C)  
Transport/storage:  
-4°F (-20°C) - 120°F (55°C)

 Humidity limitation  
Operating: 30% - 90%  
Transport/storage: 10% - 95%

 Atmospheric pressure limitation  
500 hPa - 1060 hPa

 Attention. Read Operating Manual for Cautions and Instructions for Use.

 Type BF applied part

 Class II equipment


 Reorder number

 Product Identifier

 Manufacturer & Date of Manufacture (YYYY-MM-DD)

 Professional use only

 Global Trade Item Number

 Consult operating instructions

 Batch code

 Equipment not protected against the ingress of water.

## SERVICE AND WARRANTY

### Service

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

### Welch Allyn Technical Support:

<http://www.welchallyn.com/about/company/locations.htm>

### 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.

### Battery Recycling

Welch Allyn now employs the services of an agency which can disassemble and recycle all components of rechargeable batteries so that nothing gets landfilled or incinerated. Should you wish to dispose of your expended Welch Allyn rechargeable battery via recycling (in the U.S. and Canada only), please send to:

Welch Allyn RECYCLE BATTERY 4341 State Street Road Skaneateles Falls, NY 13153-0220	Welch Allyn Canada RECYCLE BATTERY 160 Matheson Blvd. East Mississauga, Ontario CANADA L4Z 1V4
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For locations outside the U.S. and Canada consult your local recycling authority for correct disposal of batteries.

 Welch Allyn, Inc.  
4341 State Street Road  
Skaneateles, NY  
13153-0220  
Tel: (800) 535-6663  
[www.welchallyn.com](http://www.welchallyn.com)