Baxter

# Welch Allyn Pocket LED & Pocket Plus LED Otoscope



## Technical Specifications

| Specifications | Pocket LED Otoscope | Pocket Plus LED Otoscope |
|---|---|---|
| Model Numbers | 22870-BLK, 22870-WHT, 22870-PUR, 22870-BLU | 22880-BLK, 22880-WHT, 22880-PUR, 22880-BLU |
| Total Height | 16.8 cm | 16.8 cm |
| Head Width | 3 cm | 3 cm |
| Head Depth | 5.1 cm | 5.1 cm |
| Handle Diameter | 2.1 cm | 2.1 cm |
| Weight Head and Handle (no batteries) | 71.7 grams | 71.7 grams |
| Battery Type | AA Alkaline x 2 | AA Alkaline x 2 |
| Battery Life | > 5 hours | > 5 hours |
| Lamp Type | SureColor LED | SureColor LED |
| Lamp Life | 10,000 to 20,000 hours | 10,000 to 20,000 hours |
| Light Transmission | Fiber Optic | Fiber Optic |
| Magnification Power | 3.4X | 3.4X |
| Dioptre | 13.6 | 13.6 |
| Working Distance w/Specula (visual, best focus dist) | 6.5 mm from 4 mm speculum tip | 6.5 mm from 4 mm speculum tip |
| Resolution w/Specula (visual, lp/mm) | 3 - 6 lp/mm at working distance | 3 - 6 lp/mm at working distance |
| Depth of Focus w/Specula (visual) | 0 to 11 mm from speculum tip | 0 to 11 mm from speculum tip |
| Focal Length | 73.45 mm (2.9 in) | 73.45 mm (2.9 in) |
| Field of Illumination/ Distribution at FO | 34.1 mm @ 50 mm distance from tip | 34.1 mm @ 50 mm distance from tip |
| UV/VIS/IR at FO (% from SPD, Optronic) | 0% / 99.47% / 0.53% | 0% / 99.47% / 0.53% |
| Total Flux at FO (lumens, Andor) | 2.90 lumens | 5.50 lumens |
| Intensity at FO (lux, FC, UDTS370/263 photometer) | 1240 lux with 4 mm specula | 1540 lux with 4 mm specula |
| User Contact Temperature | 8 °C over ambient max. | 10 °C over ambient max. |
| Pneumatic Otoscopy Port | Yes | Yes |
| Pneumatic Otoscopy Seal | Yes | Yes |

## Available Color Options



BLK BLU PUR WHT

# **Welch Allyn Pocket** LED & **Pocket Plus** LED Ophthalmoscope




## Technical Specifications

| Specifications | **Pocket** LED Ophthalmoscope | **Pocket Plus** LED Ophthalmoscope |
|---|---|---|
| Model Numbers | 12870-BLK, 12870-WHT, 12870-PUR, 12870-BLU | 12880-BLK, 12880-WHT, 12880-PUR, 12880-BLU |
| Total Height | 17.5 cm | 17.5 cm |
| Head Width | 3.3 cm | 3.3 cm |
| Head Depth | 3 cm | 3 cm |
| Handle Diameter | 2.1 cm | 2.1 cm |
| **Weight** Head and Handle (no batteries) | 72.6 grams | 72.6 grams |
| Battery Type | AA Alkaline x 2 | AA Alkaline x 2 |
| Battery Life | > 5 hours | > 5 hours |
| Lamp Type | **SureColor** LED | **SureColor** LED |
| Lamp Life | 10,000 to 20,000 hours | 10,000 to 20,000 hours |
| Dioptre Range | '-20 to +20 | '-20 to +20 |
| Dioptre Steps | '-20, -15, -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10, 15, 20 | '-20, -15, -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10, 15, 20 |
| Filter Types | Red-free, Cobalt Blue | Red-free, Cobalt Blue, Neutral Density |
| Aperture Spot Sizes | 5 (Small, Medium, Large, Slit, Fixation) | 5 (Small, Medium, Large, Slit, Fixation) |
| Total Flux Large Aperture (lumens, Andor) | .2 to .45 lumens | .2 to .45 lumens |
| Field of Illumination/ Distribution, Large Aperture | 11.4 mm at 50 mm distance | 11.4 mm at 50 mm distance |
| UV/VIS/IR at FO (% from SPD, Optronic ) | 0% / 98.68% / 1.32% | 0% / 98.68% / 1.32% |
| User Contact Temperature | 8 °C over ambient max. | 8 °C over ambient max. |

## Available Color Options



BLK BLU PUR WHT

## For More Information Please Contact Your Local Baxter Representative.

The Welch Allyn Pocket LED Otoscope and associated accessories are intended to be used for transmitting light into the ear canal to assess the health of the ear and support diagnoses of conditions of the ear. Patients undergoing routine health assessments or minor procedures involving the ear.

The Welch Allyn Pocket LED Ophthalmoscope is intended for viewing the fundus, supporting the diagnosis of ocular structure conditions, and viewing ocular abnormalities that may be indicative of conditions elsewhere in the body. The device also is intended for illuminating the cornea and iris to detect foreign bodies in the cornea and irregularities of the pupil. The ophthalmoscope is intended for use by clinicians and medically qualified personnel for peadiatric and adult patients of any gender in both ambulatory and acute care settings.

Medical device (2017/745/EU): Class I (CE) Manufacturer: Welch Allyn, Inc., 4341 State Street Road, Skaneateles Falls, NY 13153 USA. EC Rep.: Welch Allyn Limited, Navan Business Park, Dublin Road, Navan, County Meath, C15 AW22, Ireland. These medical devices are a regulated health product which, pursuant to such regulation bears a CE mark. Carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Baxter reserves the right to make changes without notice in design, specifications and models. The only warranty Baxter makes is the express written warranty extended on the sale or rental of its products.

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