


Welch Allyn Pocket LED & Pocket Plus LED Ophthalmoscope

Product 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 | 3.0 cm | 3.0 cm |
| Handle Diameter | 2.1 cm | 2.1 cm |
| Weight <i>Head and Handle (no batteries)</i> | 2.56 oz | 2.56 oz |
| Battery Type | AA Alkaline x 2 | AA Alkaline x 2 |
| Battery Life | > 5 hrs | > 5 hrs |
| Lamp Type | SureColor™ LED | SureColor LED |
| Lamp Life | 10,000 to 20,000 hours | 10,000 to 20,000 hours |
| Diopter Range | '-20 to +20 | '-20 to +20 |
| Diopter 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 <i>(lumens, Andor)</i> | .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 <i>(% from SPD, Optronic)</i> | 0%/98.68%/1.32% | 0%/98.68%/1.32% |
| User Contact Temperature | 8 °C over ambient max. | 8 °C over ambient max. |




Available Colour Options:

Onyx, Blueberry, Plum, Vanilla

Welch Allyn Pocket LED & Pocket Plus LED Otoscope

Product 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 | 3.0 cm | 3.0 cm |
| Head Depth | 5.1 cm | 5.1 cm |
| Handle Diameter | 2.1 cm | 2.1 cm |
| Weight <i>Head and Handle (no batteries)</i> | 2.53 oz (71.7 grams) | 2.53 oz (71.7 grams) |
| Battery Type | AA Alkaline x 2 | AA Alkaline x 2 |
| Battery Life | > 5 hrs | > 5 hrs |
| 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 |
| Diopter | 13.6 | 13.6 |
| Working Distance w/Specula <i>(visual, best focus dist)</i> | 6.5 mm from 4 mm speculum tip | 6.5 mm from 4 mm speculum tip |
| Resolution w/Specula <i>(visual, lp/mm)</i> | 3 - 6 lp/mm at working distance | 3 - 6 lp/mm at working distance |
| Depth of Focus w/Specula <i>(visual)</i> | 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 <i>(% from SPD, Optronic)</i> | 0%/99.47%/0.53% | 0%/99.47%/0.53% |
| Total Flux at FO <i>(lumens, Andor)</i> | 2.90 lumens | 5.50 lumens |
| Intensity at FO <i>(lux, FC, UDT5370/263 photometer)</i> | 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 Otoloscopy Port | Yes | Yes |
| Pneumatic Otoloscopy Seal | Yes | Yes |



Available Colour Options:
Onyx, Blueberry, Plum, Vanilla

For more information on the Welch Allyn Pocket LED and Pocket Plus LED Otoscope and Ophthalmoscope, please contact your Welch Allyn representative.