

BPI® Sun Tester™

	BPI# 119514 (110v)	BPI# 219514 (220v)
<b>Weight:</b>	6 lbs	2.72 kg
<b>Lens Clearance:</b>	0.75 in	19.05 mm
<b>Tests either lenses or lenses in frames.</b>		
<b>Test Range (UVA):</b>	350nm to 400nm	
<b>Test Range (Visible):</b>	Not applicable	
<b>Amperage:</b>	1 amp	
<b>Fuse:</b>	Not applicable. (Power Pack)	
<b>Calibration method:</b>	Manual. (Adjust to 0% on the display)	
<b>UL Certification. Meets or exceed CE standards</b>		



The display shows the percentage of UV radiation between 350 and 400nm passing through the lens.

<b>Set-up Kit:</b>	Calibration lens Instruction manual	Patient brochures Patient brochure stand
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BPI® Computer Cal III™

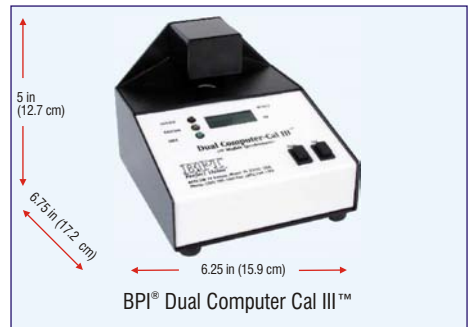
	BPI# 109515 (110v)	BPI# 209512 (220v)
<b>Weight:</b>	6 lbs	2.72 kg
<b>Lens Clearance:</b>	0.75 in	19.05 mm
<b>Tests either lenses or lenses in frames.</b>		
<b>Test Range (UVA):</b>	350nm to 400nm	
<b>Test Range (Visible):</b>	Not applicable	
<b>Amperage:</b>	1 amp	
<b>Fuse:</b>	1 amp/250v.	
<b>Calibration method:</b>	Automatic. (Press calibration button)	
<b>UL listed components. Meets or exceed CE standards</b>		



The display shows the percentage of UV radiation between 350 and 400nm passing through the lens.

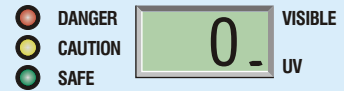
**DANGER:** More than 13% transmission of UV radiation.  
**CAUTION:** 4 - 12% transmission of UV radiation.  
**SAFE:** 0 - 3% transmission of UV radiation.

<b>Set-up Kit:</b>	Calibration lens Instruction manual	Patient brochures Patient brochure stand
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BPI® Dual Computer Cal III™

	BPI# 119511 (110v)	BPI# 219511 (220v)
<b>Weight:</b>	6 lbs	2.72 kg
<b>Lens Clearance:</b>	0.75 in	19.05 mm
<b>Tests either lenses or lenses in frames.</b>		
<b>Test Range (UVA):</b>	350nm to 400nm	
<b>Test Range (Visible):</b>	400nm to 700nm	
<b>Amperage:</b>	1 amp	
<b>Fuse:</b>	1 amp/250v.	
<b>Calibration method:</b>	Automatic. (Press calibration button)	
<b>UL Certification. Meets or exceed CE standards</b>		



The display will alternate between showing the percentage of UV radiation between 350 and 400nm AND the percentage of visible light between 400 and 700nm.

Also available with a serial port connection (RS232) for data storage and printing.  
**BPI# 119510 (110v) BPI# 219510 (220v.)**

<b>Set-up Kit:</b>	Calibration lens Instruction manual	Patient brochures Patient brochure stand
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BPI® Traffic Signal Spectrum Analyzer™

	BPI# 119512 (110v)	BPI# 219511 (220v)
<b>Weight:</b>	6 lbs	2.72 kg
<b>Lens Clearance:</b>	0.75 in	19.05 mm
<b>Tests either lenses or lenses in frames.</b>		
<b>Test Range (UVA):</b>	350nm to 400nm	
<b>Test Range (Visible):</b>	400nm to 700nm	
<b>Amperage:</b>	1 amp	
<b>Fuse:</b>	1 amp/250v.	
<b>Calibration method:</b>	Automatic. (Press calibration button)	
<b>UL listed components. Meets or exceed CE standards</b>		

1	red	yellow	green
2	30	25	26
3	blue	white	uv
4	18	32	3
5			

**Red:** % of transmission at 610nm.  
**Yellow:** % of transmission at 580nm.  
**Green:** % of transmission at 558nm.  
**Blue:** % of transmission at 470nm.  
**White:** % of transmission of visible light. 400 - 700nm.  
**UV:** % of transmission of visible radiation. 350 - 400nm.

<b>Set-up Kit:</b>	Calibration lens Instruction manual	Patient brochures Patient brochure stand
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**This analyzer has been designed to determine if tinted lenses meet EC standards for traffic signal safety as outlined in ISO 14889, ISO DIS 8980-3 and ISO 13666.**

The BPI® Traffic Signal Safety Analyzer™ is an invaluable aid for quality control of lenses tinted with visible light treatments. The meter may be used for fashion tint control and for critical density adjustments on therapeutic tints such as BPI® Diamond Dye™ 500/550 and BPI® Diamond Dye™ 540. It can be used to check for UVA blocking. It may also be used for traffic signal color density and general filter level checks. It has a serial connection for data storage and printing.

#### FILTER LEVEL LED'S

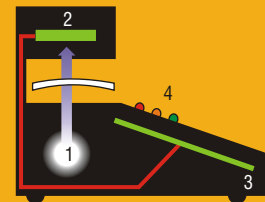
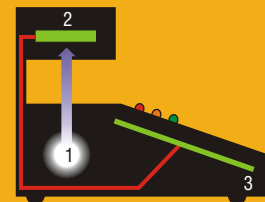
5 Filter Level LED's are located on the left of the instrument.

One LED comes on and stays on. This indicates the filter level that the lens has achieved. (There is no violation of the safety standards).

Flashing LED. As the main display cycles through the colors as they are being analyzed, a LED may change from being steadily lit to flashing. This indicates a safety standard violation. The LED will start to flash as the main display reaches the color that is out of range. As the main display reaches the end of its cycle, the LED stops flashing. It will resume flashing as it reaches the out of range color during subsequent cycles.

No LED's illuminated. No LED will be lit if the ratio of UV to visible light is too great to meet the standard.

### HOW YOUR BPI® PHOTOMETER WORKS



When the calibration button is pressed, A UV source (1) is illuminated and a sensor (2) measures the amount of UV light between 350 and 400nm. This information is saved by the computer (3).

Next, the lens (4) to be tested is placed under the sensor (2). The sensor measures the new amount of UV light passing through the lens. The computer calculates the difference between the first and second readings and displays the results.