


BPI® Photometers are sold with a calibration lens that is traceable back to the National Institute of Standards and Technology. (NIST). Users should regularly check the performance of their meters with these lenses to ensure continuing accuracy.

BPI® Photometers accurately assess the upper portion of the UVA band between 350 and 400nm. All known lens materials when treated with a UV absorber move the natural cut-off of UV light up to 400nm for commercially available lenses made from CR-39® monomer. No UV light is passed in the lower portions of the UVA or UVB range.


BPI® Photometers can be expected to make an accurate assessment of UV transmission because of the characteristics of UV lenses and UV absorbers. When treated with a UV absorber the natural cut-off point is moved into the region of the UVA that the photometer reads best. In an untreated CR-39™ lens, the error of a photometer could be 10% of the UV transmission reading. (A range of 3 to 4 percentage points). This may seem like a large range of error, however it is insignificant because of the amount of UV that is being passed by the lens. The UV transmission is clearly in the 'Danger' zone and the actual percentage of transmission is immaterial.



5 in (12.7 cm)
6.25 in (15.9 cm)
6.75 in (17.2 cm)


BPI® UV Safety Analyzer III™


	BPI# 109513 (110v)	BPI# 209513 (220v)
Weight:	6 lbs	2.72 kg
Lens Clearance:	0.75 in	19.05 mm
Tests either lenses or lenses in frames.		
Test Range (UVA):	350nm to 400nm	
Test Range (Visible):	Not applicable	
Amperage:	1 amp	
Fuse:	1 amp/250v.	
Calibration method:	Manual. (With an indicator light)	
UL Certification. Meets or exceed CE standards		
	<ul style="list-style-type: none"> ● DANGER (More than 13% transmission) ● CAUTION (4 to 12% transmission) ● SAFE (0 to 3% transmission) 	
	<p>The ease of operation and the simple display Make this an ideal demonstration unit for Patients to test their own lenses.</p>	
Set-up Kit:	Calibration lens Instruction manual	Patient brochures Patient brochure stand



5 in (12.7 cm)
6.25 in (15.9 cm)
6.75 in (17.2 cm)


BPI® Economy Photometer III™


	BPI# 109514 (110v)	BPI# 209514 (220v)
Weight:	6 lbs	2.72 kg
Lens Clearance:	0.75 in	19.05 mm
Tests either lenses or lenses in frames.		
Test Range (UVA):	350nm to 400nm	
Test Range (Visible):	Not applicable	
Amperage:	1 amp	
Fuse:	1 amp/250v.	
Calibration method:	Manual. (Adjust to 0% on the display)	
UL Certification. Meets or exceed CE standards		
		
	<p>The display shows the percentage of UV radiation between 350 and 400nm passing through the lens.</p> <p>Example: CR-39® lens = 35 to 40%. Treated CR-39® lens = 0-3%.</p>	
Set-up Kit:	Calibration lens Instruction manual	Patient brochures Patient brochure stand



5 in (12.7 cm)
6.25 in (15.9 cm)
6.75 in (17.2 cm)

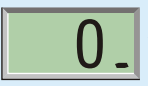
BPI® Dual Computer Cal III Tv™
Luminous Transmittance (Tv) Spectrometer

	BPI# 119515 (110v)	BPI# 219515 (220v)
Weight:	6 lbs	2.72 kg
Lens Clearance:	0.75 in	19.05 mm
Tests either lenses or lenses in frames.		
Test Range (UVA):	350nm to 400nm	
Test Range (Visible):	400nm to 700nm	
Amperage:	1 amp	
Fuse:	1 amp/250v.	
Calibration method:	Automatic. (Press calibration button)	
UL Certification. Meets or exceed CE standards		
	<ul style="list-style-type: none"> ● DANGER ● CAUTION ● SAFE 	
		
	<p>This version of the Dual Computer Cal III™ measures luminous transmittance. (Tv). It 'sees' visible light in the same way as the human eye.</p>	
Set-up Kit:	Calibration lens Instruction manual	Patient brochures Patient brochure stand



5 in (12.7 cm)
6.25 in (15.9 cm)
6.75 in (17.2 cm)

BPI® Transchromatic Computer Cal III™

	BPI# 119513 (110v)	BPI# 219513 (220v)
Weight:	6 lbs	2.72 kg
Lens Clearance:	0.75 in	19.05 mm
Tests either lenses or lenses in frames.		
Test Range (UVA):	350nm to 400nm	
Test Range (Visible):	400nm to 700nm	
Amperage:	1 amp	
Fuse:	1 amp/250v.	
Calibration method:	Automatic. (Press calibration button)	
UL listed components. Meets or exceed CE standards		
	<ul style="list-style-type: none"> ● DANGER ● CAUTION ● SAFE 	
		
	<p>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. PHOTOCHROMIC MODE: In this mode, the unit will darken a photochromic lens and progressively read the UV and visible transmission percentage.</p>	
Set-up Kit:	Calibration lens Instruction manual	Patient brochures Patient brochure stand