

BPI® UV PHOTOMETERS

BPI® Traffic Signal Safety Analyzer™

BPI# 119512 (115v.) BPI# 2119511 (220v.)



This instrument indicates the percentage of light passing through a lens in the red (610nm), yellow (580nm), green (558nm), and blue (470nm) range. It also displays a white light (visible) reading as well as a UV reading. It is a quick and accurate way to check the transmission characteristics of lenses.

Display

RED	YELLOW	GREEN
30	25	26
BLUE	WHITE	UV
18	32	3

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.

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.

The 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 Diamond Dye™ 540. It can be used to check for UVA blocking. It may also be used for traffic signal color density checks, and general filter level checks. (See sidebar). It has a serial connection for data storage and printing.

HEIGHT	WIDTH	LENGTH	VOLTAGE	WEIGHT	FUSE	AMPERAGE
5 in.	6.25 in.	6.75 in.	115 or 220 v.	6 lbs	1 amp/250v.	1 amp
12.7 cm	15.87 cm	17.14 cm		2.72 kg		
LENS CLEARANCE		TEST RANGE	THE SET-UP KIT INCLUDES THE FOLLOWING PRODUCTS:			
0.75 in.		350 nm to 400 nm (UVA) 400 nm to 700 nm (Visible)	<ul style="list-style-type: none"> • Calibration lens • Instruction manual • Patient brochures • Patient brochure stand 			
19.05 mm						
COMPARE TO OTHER BPI® SYSTEMS						

BPI® Spectrometer™. For a complete spectrum analysis.....(See page 90)
 BPI® Dual Computer Cal III™. Automatic UV and visible photometer(See page 87)

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