

BPI Safety Analyzer III™

For use only by qualified personnel in a laboratory environment.

For maximum protection against UVA energy, wear UV safety glasses & avoid looking directly at UV light source.

Display

- DANGER 13% transmission
- CAUTION 4 to 12% transmission
- SAFE 0 to 3% transmission

Specifications

The UV Safety Analyzer III™ (BPI# 109513) has been designed for quick checking of the UVA transmittance of ophthalmic lenses. The accompanying brochures educate your customer as to the harmful effects of UV light. The patient could even check his own glasses for UV protection. The UV Safety Analyzer III™ is accurate enough to be used in the lab for instant verification or in the office for quality control of work done by outside labs. The system requires 115 volt (220 volt: BPI# 209513), 50/60 Hz and is fuse protected by a 1 amp, 250 volt glass fuse.

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	Fast blow	
LENS CLEARANCE		TEST RANGE		THE SET-UP KIT INCLUDES:		
0.75 in.		350 nm to 400 nm (UVA)		• Calibration lens • Instruction manual • Patient brochures • Patient brochure stand • Power pack		
19.05 mm						

The meter is for indoor use only at altitudes below 2000 meters. Ambient temperatures must be between 5° C and 40° C. Maximum relative humidity is 80% for temperatures up to 31° C, decreasing linearly to 50% relative humidity at 40° C. Mains supply voltage fluctuations not to exceed \pm 10% of the nominal voltage. Transient over-voltages must not exceed those of category II. This meter is designed for pollution degree 2.

Unpacking

When unpacking your instrument, please check to ensure that no concealed damage occurred in transit. If such is noted, save the shipping carton and immediately notify the shipping company's damage control inspector in your area so a claim may be processed. Failure to do this may void any future claim and replacement. Also, call BPI Customer Service so arrangements for a replacement may be made.

Calibration

Your BPI Safety Analyzer III™ has been calibrated as follows:

- RED LIGHT (Danger) Indicates more than 12% UV transmission.
- YELLOW LIGHT (Caution) Indicates more than 4% (but less than 12%) UV transmission.
- GREEN LIGHT (Safe) Indicates less than 3% UV transmission.

Operation

1. Connect power pack to unit. Plug power pack into a convenient receptacle.
2. Turn on your UV Safety Analyzer III™ unit.
3. Remove any lens or other obstruction from the optical path.
4. Turn the calibration knob clockwise until the red calibration light just comes on.
5. Your UV Safety Analyzer III™ is now calibrated.
6. Place the lens to be tested over the UV light source and the reading will appear.

NOTE: The output of the light source may drift somewhat after it is first turned on. This is normal. Because of this, one should re-calibrate just before testing a lens.

Replacement Parts

1 Amp, 250 Volt Fast Blow Fuse: BPI# 59905

UVA Emanation

The UVA energy (320 to 400nm) that is emitted by this unit is also emitted by sun and sky light and is, therefore, a natural component of our environment. However, over exposure to UVA energy may produce eye irritations and permanent eye injury.

FOR MAXIMUM PROTECTION AGAINST UVA ENERGY, WEAR UV SAFETY GLASSES & AVOID LOOKING DIRECTLY AT UV LIGHT SOURCE.

Warning!

ALWAYS UNPLUG THE UNIT WHEN SERVICING.

If this equipment is used in a manner other than that specified by Brain Power Incorporated, the protection provided by the equipment may be impaired.

To clean the meter, wipe with a damp cloth.

Questions? Ordering...

For information about any BPI product and to order supplies, please give us a toll-free call on the number shown for your area.

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BPI
Safety Analyzer III™

BPI UV Safety Analyzer III™

BPI# 109513 (115v)
BPI# 209513 (220v)