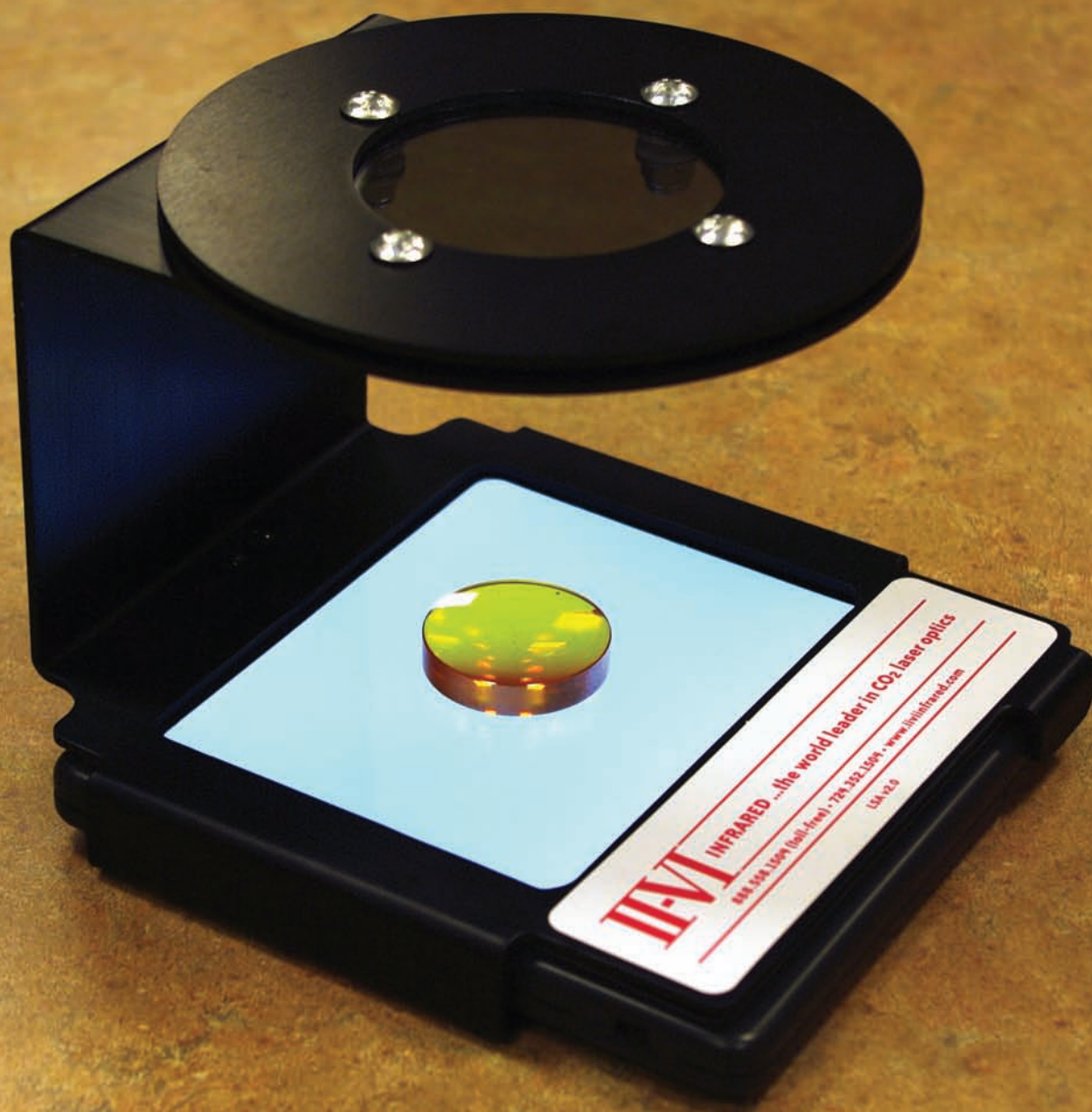


## LENS STRESS ANALYZER (LSA)

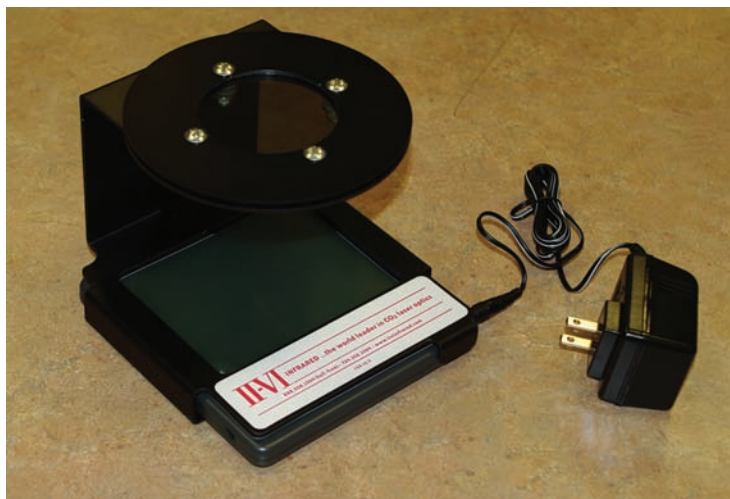


**USER GUIDE**

## Powering the LSA with the AC adapter

Plug the included AC adapter into the LSA as shown in the picture at right, then plug into an electrical outlet.

You are now ready to use the LSA.



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## Powering the LSA with 6 AAA batteries

Note: You will need 6 AAA batteries (not included).

Place the LSA on its side as shown in the picture at right. Remove the battery compartment door, and insert 6 fresh AAA batteries as shown in the picture at right.

Snap the battery compartment door back in place.

You are now ready to use the LSA.



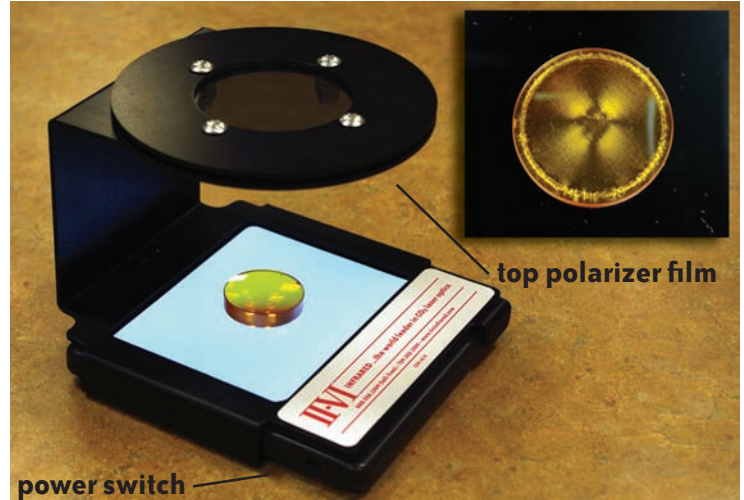


## Using the LSA

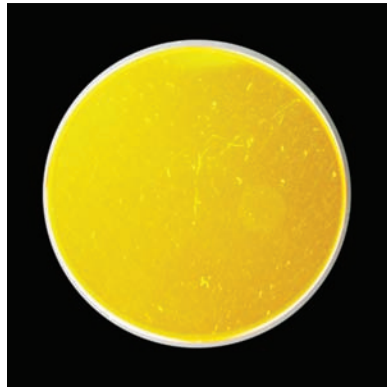
Place a lens or other transmissive optic, such as an output coupler, on the fluorescent light pad as shown in the picture at right. Turn on the light pad via the power switch, as noted. Rotate the top polarizer film, as noted, while looking down through the film at your optic.

As you rotate the top polarizer film into cross-polarization, the fluorescent light pad will appear to go dark, and any stress in your optic will appear, as shown in the inset image in the picture at right.

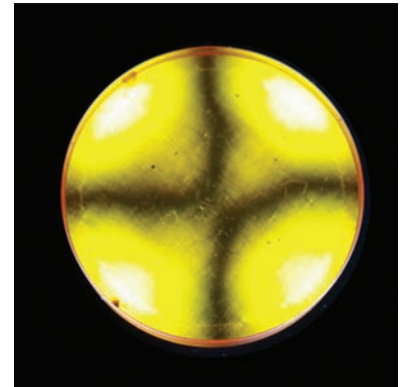
Below are images of various stages of lens stress.



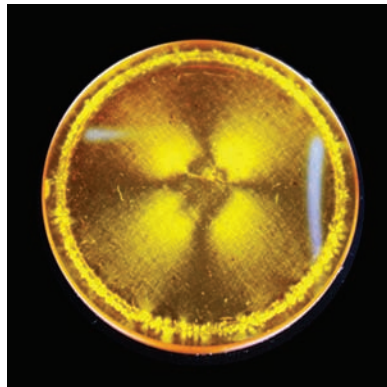
No apparent stress.  
May just need  
cleaned.



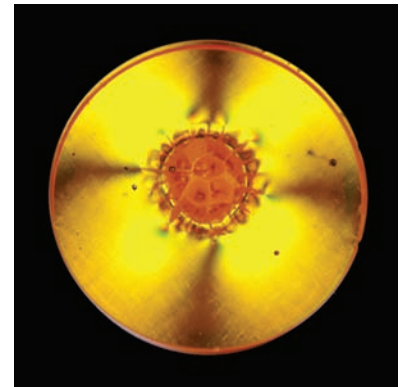
Moderate stress.  
Should be replaced.



Severe lens stress.  
Must be replaced to  
prevent catastrophic  
lens failure and  
possible system  
damage.



Catastrophic lens  
failure and possible  
system damage.



## Do you need to clean your optics?

Order our CO<sub>2</sub> Laser Optics Cleaning Kit, p/n 911466. Need refills? Our Lens Cleaning Refill Kit is p/n 881308.

Our polish is also available separately, p/n 787388.

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