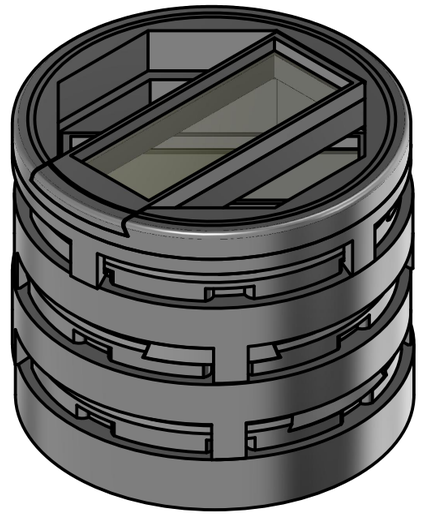
OPEN POLARISCOPE

an open-source device that allows students to hands-on explore polarization effects through rotating discs and adjustable polarization sheets, fostering an accessible and dynamic approach to learning optics

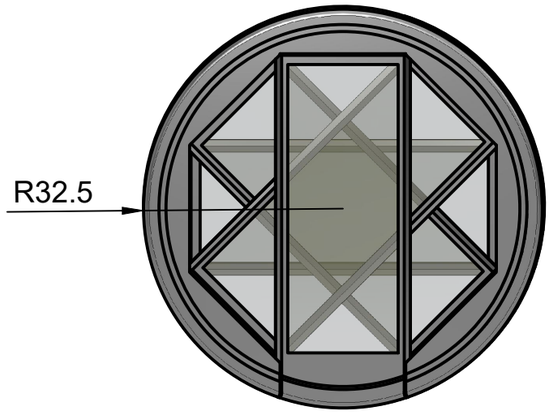
Notes

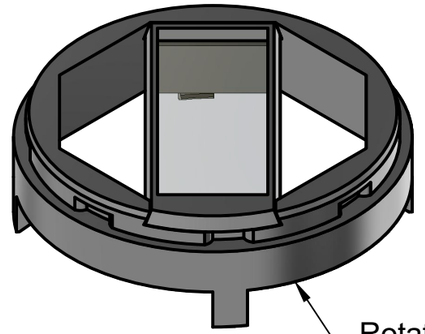
- All dimensions are in mm
- Device is made out of 3D printed PLA
- Device consists of 4 rotating discs placed snapped on top each other
- The individual discs can rotate in 45 degree steps
- A polarizing film is placed between on the disc and is held in place by a sliding lid
- A second version of the Open Polarscoper is exactly 25% larger
- The dimensions for the polarizing film of the larger polariscope are 25mm x 62.5mm
- Thickness range of the film for both models is the same. (0.25mm-2.00mm)

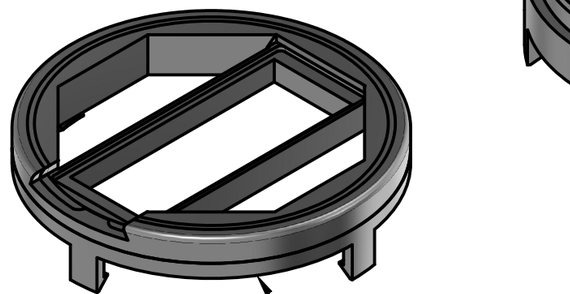
Fully Assembled Device
Isometric View

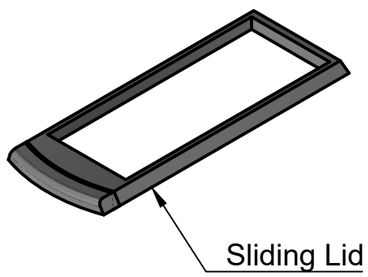


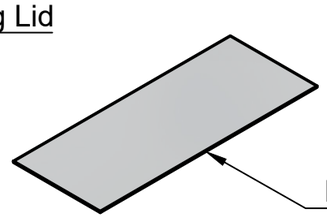
Assembled Device
Top View

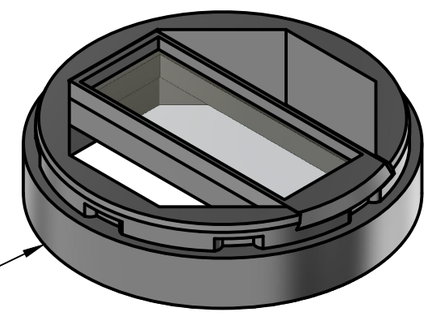






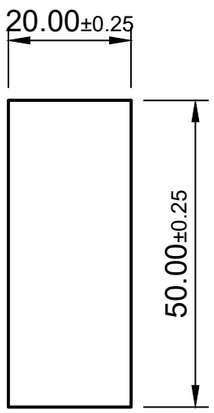




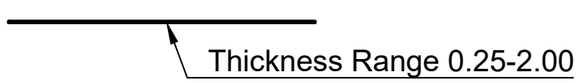


Polarizing Film Dimensions

Top View



Side View



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