



VARIAN

Number: SHT-PS325-10

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SERVICE How To

Model Number:	Originator:	Topic
PS 325 UV-Vis	Des Wichems	Replacing the Optics

Replacing the Optics

1. Ensure that the detector has been unplugged from the power outlet.
2. Open the detector top cover and remove it.

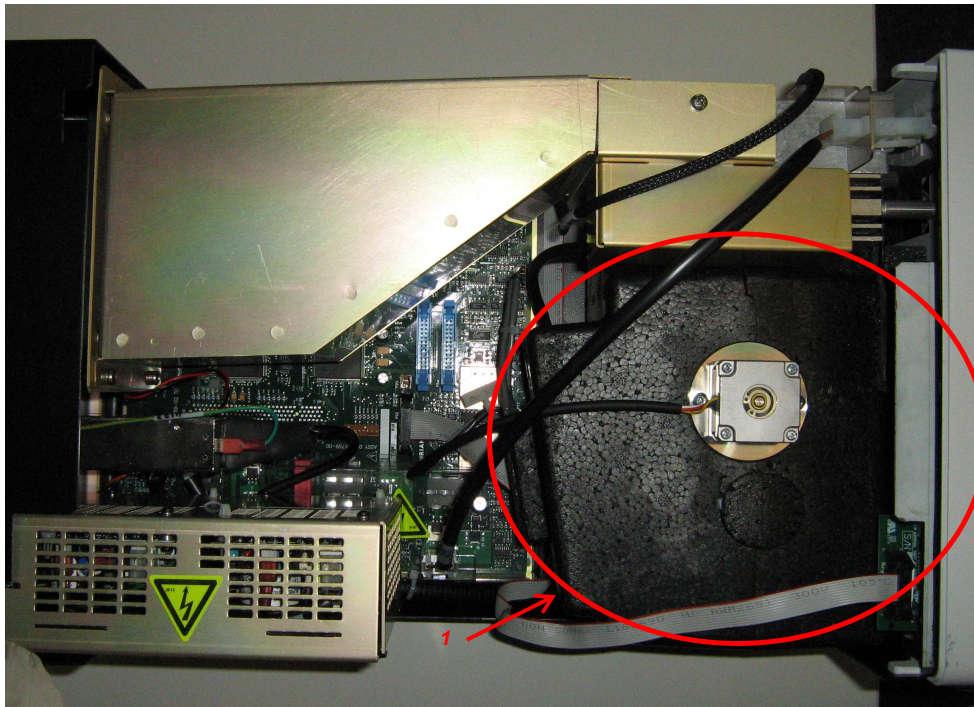


Figure 1: Optics Location in the Detector

3. Turn the unit in such a way that you can reach the 3 screws on the bottom holding the optics module (1) in the chassis (Figure 2).
4. Unscrew the 3 nuts (2) and remove the whole optics module (1).

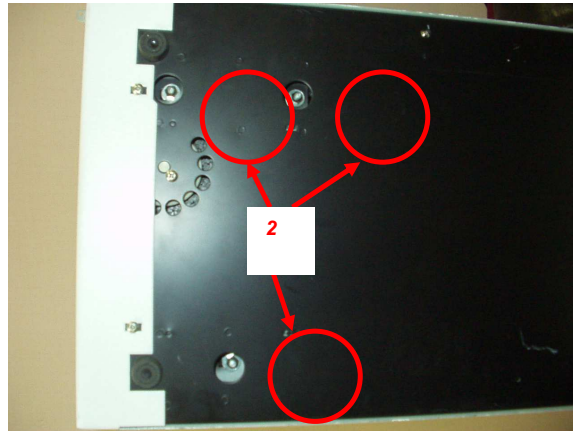


Figure 2: Bolts Holding in the Optics

5. Once you have removed the old optics module, replace the new optics module by reversing the order of steps 1-3.
6. Make sure that you connect all the power leads and cables (Figure 4).

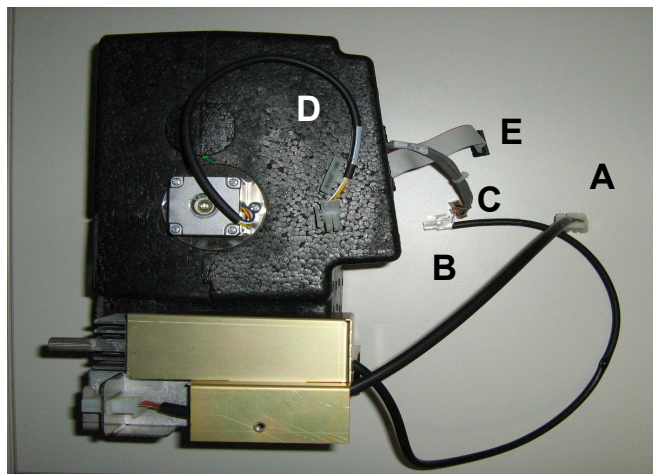


Figure 3: DAD Optics Module

- (A) UV Power connects to P15
- (B) Vis Power connects to P16
- (C) Detector board connects to P13
- (D) Grating motor connects to P17
- (E) Photo diode connects to P22

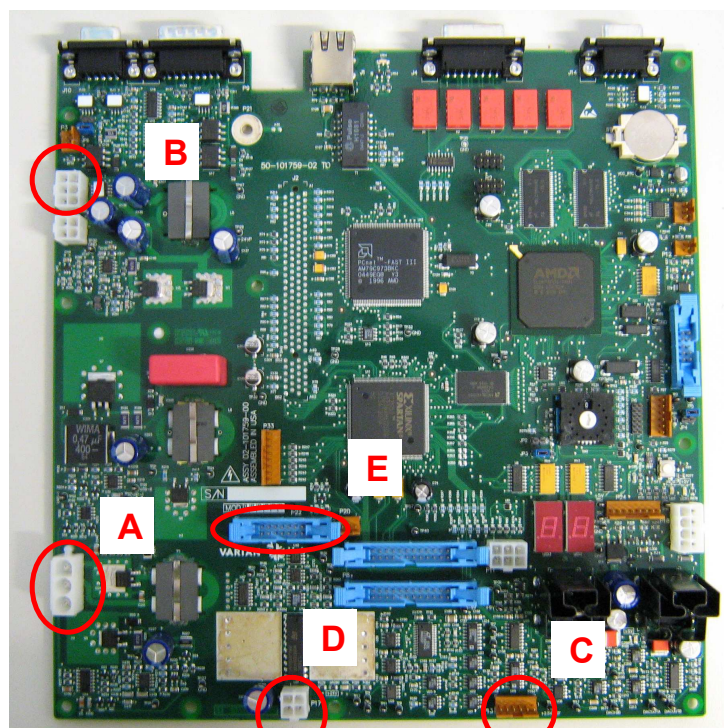


Figure 4: UV-Vis Detector PWB Connections Board

7. Once the detector is bolted into the detector housing and the electronic connects have been made, then connect to the IMS module and run both a Gain Cal and a 0%T on the new optics.