SPECTRA SOLUTIONS, INC.
Innovation through Spectroscopy

Short Working Distance Sealed Lens Barrel

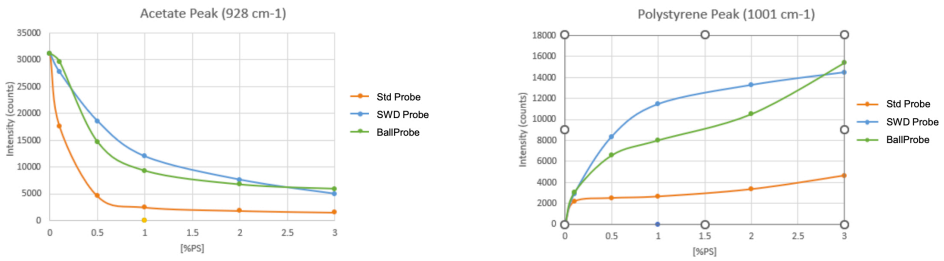
- **>0.5 mm working distance probe barrel**

- **For turbid solutions** or **solid samples**
- **Performs** better than ball probe lens barrel

Part Number	Description
SWD-PTFE-6	Short working distance probe barrel

Where the focus is on the SWD lens barrel

Comparison of the three Probes when measuring Polystyrene and NaAc



- Results are normalized. NaAcetate signal drops as %polystyrene increases. The standard probe signal drops much faster as compared to either the SWD or Ball probes.
- NaAcetate, with no polystyrene added has a normalized signal of ~30,000, At 0.5% polystyrene the signal drops to 5000 counts for the std probe while the SWD probe has a signal of ~18,000 and the BallProbe ~15,000 counts.
- The PS intensity does not track linearly for any probe but even less for the standard probe while the SWD and Ball probes track in a similar fashion, indicating that the effective working distance of these two probes is similar.

Comparison between standard, short working distance, and ball probes

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