



## SPECTROMETER WITH SELF-REFERENCED CALIBRATION

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**WARF: P230013US01**

Inventors: Scott Sanders

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### The Invention

A UW-Madison researcher has developed of a compact sensor for measuring the absorption spectra of typical liquids in real time. The solution allows for ATR spectroscopy by providing a baseline measurement. The sensors utilizes the difference in the effective path lengths of the two polarizations to obtain the reference absorption spectrum, effectively getting a baseline from the polarization that has a lower effective path length.

### Additional Information

#### For More Information About the Inventors

- [Scott Sanders](#)

#### Tech Fields

- [Analytical Instrumentation, Methods & Materials : Spectroscopy.](#)

For current licensing status, please contact Michael Carey at [mcarey@warf.org](mailto:mcarey@warf.org) or 608-960-9867