



Optical Fiber Thermal Property Probe

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WARF: P170028US02

Inventors: Mark Anderson, Matthew Weathered

The Invention

An optical fiber sensor extends coaxially with a controllable heater to provide high-resolution axial measurement of thermal properties such as thermal convection of the surrounding. Heat removal by either conduction or convection may be used to deduce material height in a tank, or velocity of flow when coupled with localized heating, or other aspects of the material based on thermal conductivity.

Additional Information

For More Information About the Inventors

- [Mark Anderson](#)

Tech Fields

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

For current licensing status, please contact Michael Carey at mccarey@warf.org or 608-960-9867