

**COMING  
SOON**

# ThermaFlow SP 1000

*Unprecedented capabilities in the  
world's harshest environments*

**WORK HOTTER AND SMARTER**



## High Temperature

Excellent performance at  
temperatures up to 1,000°C



## Specialized Environments

Extremely demanding concentrating  
solar power applications



## Dual Monitoring

Monitor both temperature and flow  
of solid particles

## Overview

The ThermaFlow SP 1000 is a smart solid particle and mixed phase flow sensor designed to operate at temperatures up to 1000°C in extremely demanding applications such as concentrating solar systems, material manufacturing, etc. This sensor measures flow velocity from 0.1 to 5.0 m/s with an accuracy of 2% FS. This sensor's output is provided via Digital (Ethernet & USB) connection or Analog (0-5V).





# ThermaFlow SP 1000

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## Product Features

- **Flow Media**  
Solid particles such as sand and mixed phase media
- **Operating Temperature**  
Up to 1000°C
- **Flow Velocity**  
0.1 – 5.0 m/s
- **Flow Accuracy**  
2% of FS
- **Smart features**  
Calibrated output, engineering units, self-test
- **Communications**  
Ethernet (Digital) and analog (0-5V)
- **Power**  
12VDC or 110VAC

## Applications

- Industrial materials processing & metal manufacturing
- Industrial chemical processing
- Molten salt systems
- Concentrating solar power
- Glass manufacturing
- Nuclear fuel processing
- Petrochemical processing

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