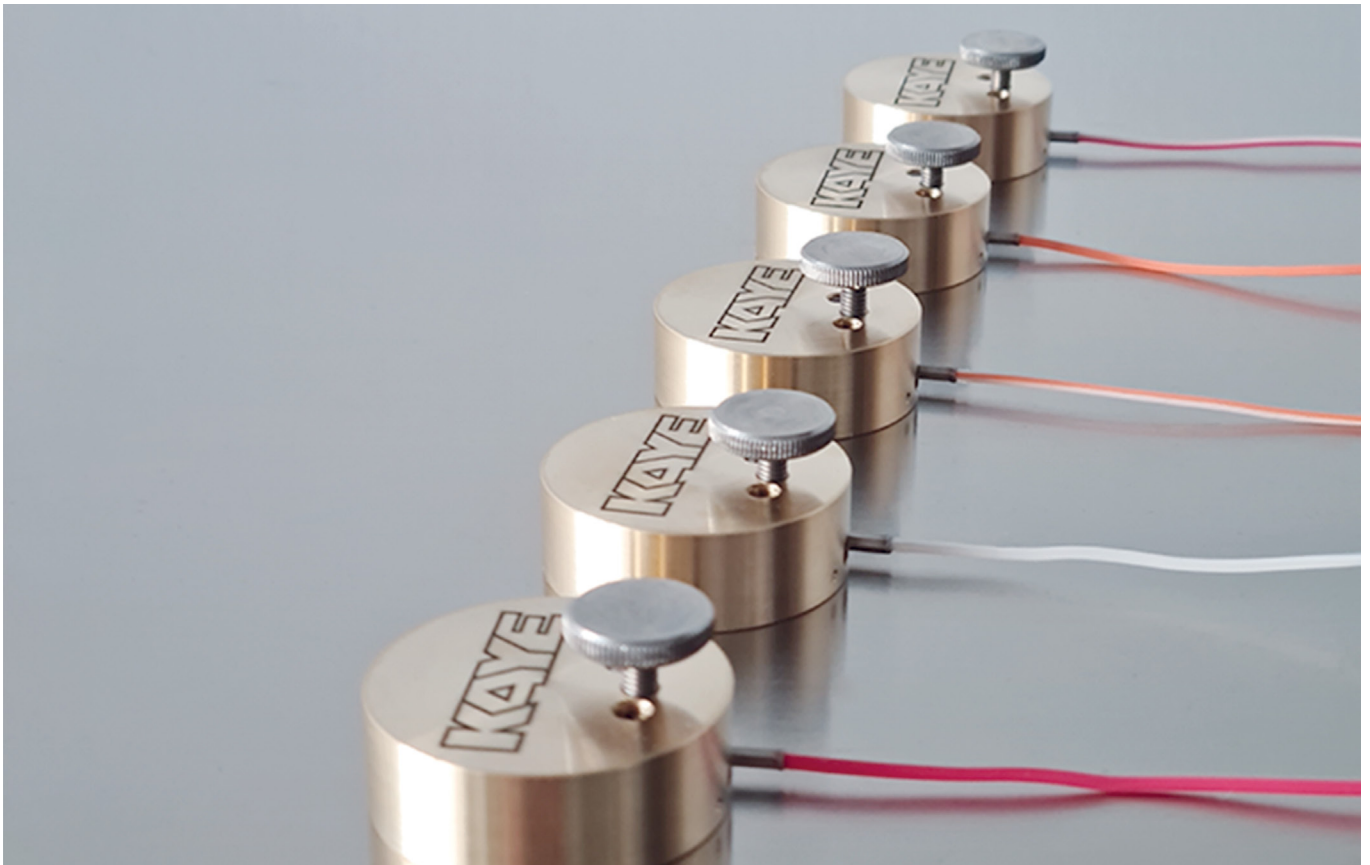


Universal Kaye Sensor Surface Adapter

IDEAL ACCESSORY FOR MEASURING SURFACE TEMPERATURE IN FREEZE-DRYERS AND LYOPHILIZERS



Surface temperature measurements can be challenging due to factors such as varying materials, heat radiation, contact sensor errors, and irregular surfaces. In vacuum environments, like those in freeze-dryers, the complexity of obtaining a correct measurement at ambient pressure or full vacuum increases. Although sensors like thermocouples and resistance thermometers can

provide accurate measurements, issues such as heat conduction, inadequate surface contact, and potential air gaps between the surface and the sensor often lead to errors in surface measurements.

Kaye has addressed this challenge with a Universal Sensor Surface Adapter, which solves various problems encountered during surface measurements.

The Kaye Sensor Surface Adapter is an easy, reliable, and field-tested solution for measuring surface temperature.

FEATURES

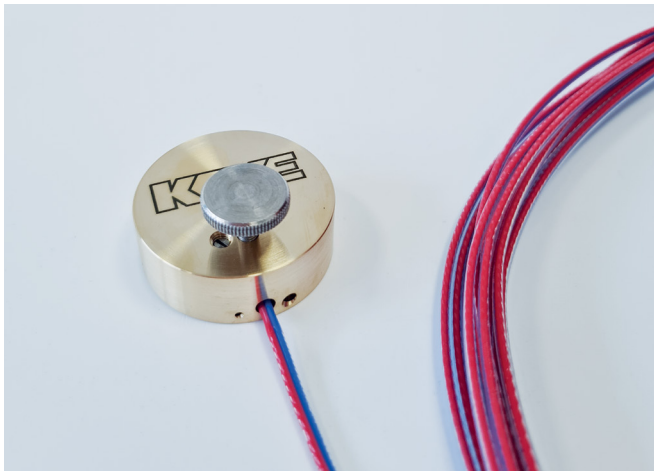
- Variable hole diameters enable flexible use, and a spring-loaded mechanism ensures secure fixation of various Kaye sensors. It is compatible with Kaye thermocouples of different diameters, as well as Pt-1000 flexible sensors from the Kaye ValProbe and Kaye ValProbe RT product lines.
- Special thermal pads enhance surface contact and improve the temperature transition between the surface being measured and the sensor.
- Ideal for precise and reproducible surface temperature measurements in freeze-drying applications, including in vacuum environments.

- Different connections offer maximum flexibility, regardless of which Kaye sensor is used.

TECHNICAL SPECIFICATIONS

- Material: Brass
- Diameter: 40 mm
- Height: 14 mm
- Flexible and secure fixation for various Kaye sensors:
 - 1.2 mm – Ideal for Kaye stainless steel Type-T thermocouple, self-locking
 - 2.5 mm – Ideal for Kaye ValProbe and Kaye ValProbe RT data loggers with flexible or bendable Pt sensors – self-locking
 - 3.7 mm – Ideal for Kaye Teflon™* thermocouples 7- and 3-stranded – secured via screw connection

* TEFLON is a trademark of THE CHEMOURS COMPANY FC, LLC.



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