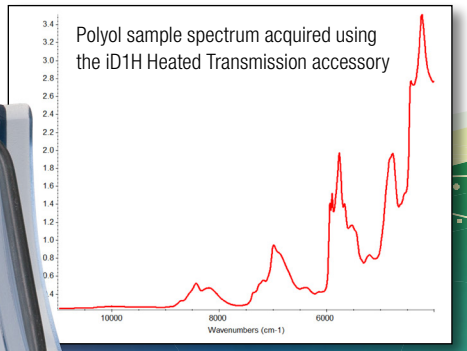
# Perfect Match for the Nicolet iS5N

## iD1H Heated Transmission Accessory

**The Thermo Scientific™ iD1H Heated Transmission accessory** is ideal for the Thermo Scientific™ Nicolet™ iS™5N FT-NIR spectrometer system, providing consistent temperature control of vials and cuvettes for precise quantitative liquid analysis. The self-adjusting sample holder and fixed temperature heating element provide flexibility and consistency to meet your NIR quantification needs. The iD1H Heated Transmission accessory offers many benefits:

- Spring-loaded sample holder for use with multiple vials and cuvettes
- Fixed 40 °C temperature control
- Embedded LED for visual indication of temperature stability
- Internal aperture for best resolution and line shapes



**The iD1H Heated Transmission accessory features snap-in-place installation with automatic accessory recognition and experimental parameter selection for reproducible sample analysis.**

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# Ensure consistent NIR liquid sampling

The iD1H Heated Transmission accessory is equipped with an attenuation screen slot, ensuring the optimal intensity of light interacts with your sample. The accessory also includes a polystyrene standard cuvette to confirm your system is operating at its peak performance.

- Temperature control of 40 ± 1 °C
- Fits vials and cuvettes 3 to 12 mm in diameter
- Power: 12V DC (ETL Listed)

iD1H Heated Transmission accessory with Polystyrene & Attenuation Set

## Ordering Information

| Accessory | Part Number |
|---|---|
| iD1H Heated Transmission Accessory | 840-280800 |

| Replacement Parts | Part Number |
|---|---|
| Polystyrene & Attenuation Set | 840-280700 |
| Polystyrene Standard Cuvette | 714-162900 |

## Commercially available vials compatible with the iD1H accessory are shown below.

### Common Vial and Cuvette Sizes

| Outer Diameter | Inner Diameter (approximate pathlength) |
|---|---|
| 6 mm | 4 mm |
| 8 mm | 6 mm |
| 10 mm | 8 mm |
| 12 mm | 10 mm |

*Note: Minimum vial height must be 40 mm*

For the best accuracy and precision, a block heater can be used to maintain vial temperature before and after analysis. Block heaters come in a variety of sizes to accommodate multiple vial dimensions.

***Learn more at www.thermofisher.com/iS5N***

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