4 reasons to switch to Thermo Scientific FT-NIR

Don’t just take our word for it…

See how easy it is to develop or transfer a near-infrared calibration on the Thermo Scientific™ Antaris™ II FT-NIR Analyzer

1. Skip instrument standardization required for dispersive techniques
2. Transfer existing methods in less than one hour
3. Support by our comprehensive global applications and service teams
4. Experience the benefit of dependable FT-NIR technology

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1. Reproducible Analyzer Design
   - System to system repeatability
   - Performance tested to tight tolerances for unrivaled method transferability
   - Superior engineering for instrument matching

2. Calibration Transfer
   - Transfer any existing NIR instrument method
   - Large calibration database transfer in a single step

3. Global Service
   - Global on-site service and support
   - Worldwide application support

4. Benefits of Reliable FT-NIR
   - Unmatched wavelength accuracy and precision
   - Highest spectral resolution
   - Rugged design and dynamic alignment provide stability in production environments

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Smarter spectroscopy. Definitive answers.
Thermo Scientific accessories for the Antaris II FT-NIR Analyzer

SabIR Diffuse Reflectance Probe
- Rapid point-of-use analysis of solids
- Analyze directly or indirectly through clear packaging materials
- Integrated Spectralon® reference standard
- Two and three meter fiber optics for sampling flexibility
- Transflectance adapter for analysis of liquid samples

Transmission module
- Analyze liquid samples in vials, tubes and cuvettes
- Optional temperature controller from ambient to 100 °C
- Includes two sample positions and dedicated reference position for background collection with samples in place

TQ Analyst Software
- Chemometric software with all the tools necessary for basic to advanced analysis
- Intuitive and simple-to-use
- Software wizards to guide the method development process
- Advanced software diagnostics to create high performance methods

Sample Cup Spinner
- Accurate analysis of heterogeneous solid samples
- Averages diffuse reflectance measurements across large sample cross-section
- Multiple samples cups with quartz windows available

MultiPro Autosampler
- Transmission and diffuse reflectance measurements for tablets or softgels
- InGaAs detector for transmission
- Also for diffuse reflectance of samples in glass bottles
- Interchangeable carousels

Specialized sampling modules
- Tablet analyzer
- Viscous liquid sampling
- Vial holder disk

NIR applications
- Pharmaceuticals
  - Tablet content uniformity & coatings
  - Lyophilized material moisture & stability
  - On-line process monitoring
  - Hot-melt extrusion blend consistency
  - Fermentation & cell culture monitoring

- Polymers & chemicals
  - Incoming material verification
  - Blend uniformity
  - Additives, moisture, monomers
  - Reaction monitoring
  - Development, scale-up, on-line

- Food & agriculture products
  - Raw agricultural products
  - Flour milling
  - Dairy products
  - Edible oil
  - Sugar & confections
  - Beverages

Find out more at thermofisher.com/nir

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