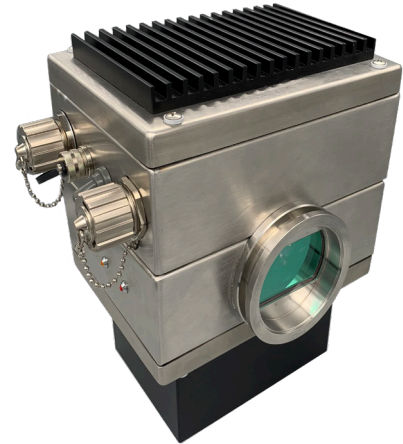


Luminar 4090 Blending AOTF-NIR Spectrometer

Monitor Blending for
Every Batch: The flexible
design allows you to move
the unit from blender
to blender.



*Luminar 4090 mounted
on V-shape blender*



OUR VALUE

AOTF-NIR Spectrometers are non-destructive, rapid test devices for determining BU.

The technique has been proven to prevent over or under blending, providing manufacturers with total control over the process.

PROVEN BENEFITS

- Ensured Quantitative & Qualitative Accuracy
- Faster Product Turnover
- Reduced Blend Time
- Less Waste Product
- Assured Uniformity

Contact

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Luminar 4090 Technical Specification

Name	Specification (General)
Spectral Range Options	1100-2300 nm
Measurement Modes	Diffuse Reflectance
Spectral Resolution	2-10 nm
Wavelength Accuracy	± 0.5 nm
Wavelength Repeatability	± 0.01 nm over more than 5 years' service
Wavelength Increment	software selectable 1-10 nm
Ambient Light Rejection	>10 ⁶
S/N at 70% Range	< 30μabs, for <5 seconds integration time
Photometric Range	3.5 AU
Linearity	Better than 0.15%
Sampling Speed	16,000 wavelengths/sec
Sampling Area	3-10 mm (custom)
Sampling Distance	20-100 mm (custom)
Internal Diagnostic	10 Built-in monitoring sensors
Power Supply	30Watts, 14.8V Lithium Ion Battery (~6hrs with 140Wh capacity)
Communication	TCP/IP and Wireless
Software Package	Windows-based analytical software for data acquisition
Enclosure	Environmentally sealed NEMA IP65
Unit Weight	10 lbs
Unit Dimensions	200 mm x 150 mm x 81 mm