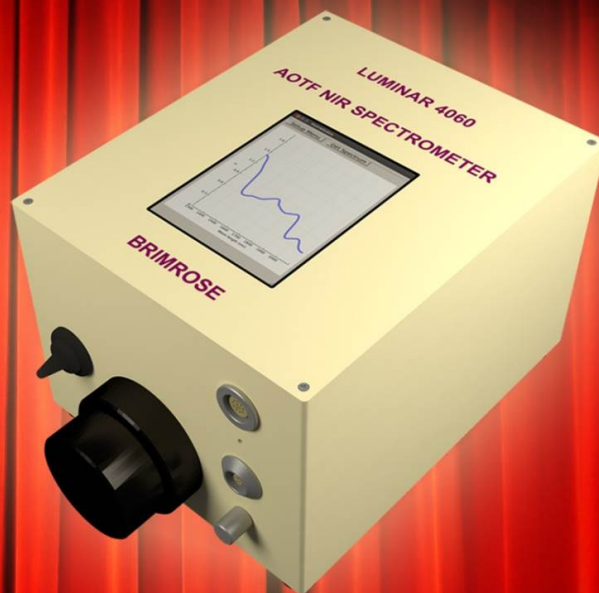




Introducing The Brimrose Luminar 4060



NEW FEATURES

- **Small Size, Low Power Consumption**
- **Economic Price Tag**
- **USB Capable**
- **GPS Capable**
- **Touchscreen Display**

APPLICATIONS

- **Blend Uniformity**
- **Fluid-Bed Drying**
- **Agricultural/Food**

■ Technical Data Specifications

Spectrometer Name	Luminar 4060 Free Space AOTF-NIR Process Analyzer
Spectral Range Options	850-1700 nm, 900-1800 nm, 1100-2300 nm
Measurement Modes	Diffuse Reflection
Spectral Resolution	1-10 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
Vibration Immunity	Blenders, production machinery, conveyor belts
S/N at 70% Range	< 30µabs in reflectance and transmission, for <5 seconds integration time
Wavelength Access Time	< 66 µsec
Photometric Range	3.5 AU
Linearity	Better than 0.15%
Signal Digitalization	16-bit A/D (1 part in 65,536)
Sampling Speed	16,000 wavelength/sec
Sampling Area	Ø6 mm (or Ø10 mm option)
Sampling Distance	40 mm (or 65 mm with Ø10 mm Sample Area)
Diagnostic	10 Built-in monitoring sensors
Power Requirements	12VDC, (24VDC special order), 90Watts, 110VAC 60Hz, 220VAC 50Hz
Outputs	PC Interface via Ethernet connection
Software Package	Windows-based analytical software for data acquisition
Options:	Accessories:
<ul style="list-style-type: none"> ➤ Air-flow curtain ➤ Battery Operation ➤ Wireless Communication ➤ Gravity Switch ➤ GPS Capability 	698-00: 1.5" Sapphire Window Assembly 699-00: Mounting Plate for Quick Dismounting 732-30: Simple Stand 732-31A: Stand with Rotating cup and DC motor 732-31B: Stand with Rotating cup and Stepper motor



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Luminar 4060