

**BRIMROSE**



## Luminar 4030 Miniature Free Space™ Process NIR Analyzer

**Brimrose New generation of Solid-state AOTF-NIR Miniature Free Space Process Analyzers** are designed to be placed directly into the production line for non-contact, non-destructive measurements of Chemical and Physical properties of Powders, Solids, Liquids, gels, etc. in Diffuse Reflectance mode. Miniature design helps to have MORE PORTABLE and MORE COST EFFECTIVE Solutions for Real Process Applications. The Same Analyzer can be easy moved from one measuring point to other with minimum effort.

**MOST COMMON APPLICATIONS:** BLENDERS, DRYERS, etc.

732



Dual beam, pre-aligned lamp assembly, InGaAs detectors, embedded computer, ethernet interface, SNAP!™ Brimrose analytical software, 16,000 wavelengths per second, 3 mm , 6 mm or 10 mm Diameter sample area at 25mm, 45 mm or 65 mm working distance from bottom of Optical module miniature integrated electronics and Optical modules in same Stainless Steel Enclosure (300 mm x 200 mm x 120 mm)

Power requirement: 12VDC , 90 Watts; 90-230 VAC, 90 Watts; Battery operation (optional), Wireless Ethernet operation (optional)

### To be specified:

wavelength range



### To be ordered **separately:**

- Air-flow curtain
- Mounting Plate with 1.5" Sapphire Window Assembly for different measurement points.
- Stand to USE Analyzer in Laboratory with Rotating Cup, optional Tablet carousels
- Battery Operation option which includes:
  - 2 Batteries
  - Dual Battery Charger
- WIRELESS ETHERNET operation (Blender) option which includes:
  - Light indicators for Battery power and controlled from internal software
  - Wireless ETHERNET communication
- IQ, OQ Documents
- Input/Output Capability
- External Trigger option (Proximity sensor OR Gravity switch)
- PERFTEST Software
- NIRPQMS Additional Software package (21 CFR 11 Compliant)
- Training, Installation Support



742



Dual beam, pre-aligned lamp assembly, InGaAs detectors, embedded computer, ethernet interface, SNAP!™ Brimrose analytical software, 16,000 wavelengths per second, SMA or TNC connections for EXTERNAL FIBERS/PROBES, miniature integrated electronics and Optical modules in same Stainless Steel Enclosure (300 mm x 200 mm x 120 mm)

Power requirement: 12VDC , 90 Watts; 90-230 VAC, 90 Watts; Battery operation (optional), Wireless Ethernet operation (optional)

To be specified:

- wavelength range
- single fiber or fiber bundle
- SMA or TNC connectors



To be ordered **separately:**

- Battery Operation option which includes:
  - 2 Batteries
  - Dual Battery Charger
- WIRELESS ETHERNET operation (Blender) option which includes:
  - Light indicators for Battery power and controlled from internal software
  - Wireless ETHERNET communication
- IQ, OQ Documents
- Input/Output Capability
- External Trigger option (Proximity sensor OR Gravity switch)
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