

Luminar 4030

Process Spectrometer

The Brimrose Corporation has developed a next generation on-line process analyzer platform that integrates optics and electronics into one compact enclosure and provides greater versatility of measurement. The Luminar series FreeSpace™ design performs measurements directly on the sample surface or through process sight glasses and eliminates the need for fiber-optic cables

The Luminar 4030 Process Spectrometer is a rugged process analyzer that utilizes Brimrose's high performance AOTF-NIR (Acousto-Optic Tunable Filter- Near Infrared) technology to deliver real-time measurements with laboratory precision. By delivering rapid, multi-component analysis for a wide variety of applications that include diffuse reflective measurements of powders, pellets, liquids, web-based and solid products, use of the Luminar 4030 offers a new powerful tool for process control.

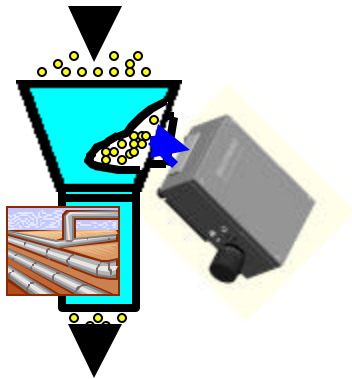
Contact Brimrose for additional information.

Typical Applications

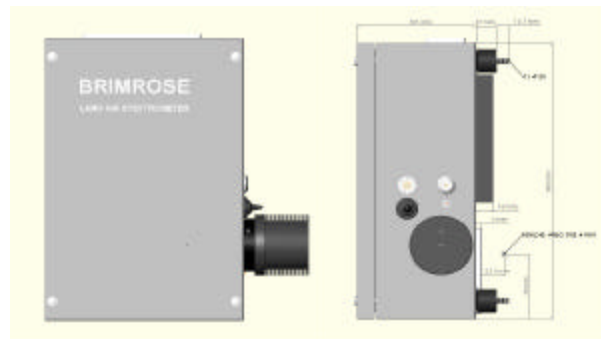
- Powders
- Polymer Pellets/Resins
- Paper/Textile Goods
- Spray Dryers
- Blenders/Blending Operations
- Raw Material ID

Measurements

- Moisture
- Fat/ Sugar/Protein
- Active Ingredients
- Blend Assay
- Recycled Plastic ID
- Particle Size



Luminar 4030 Process Spectrometer mounted on hopper to measure solid product through sight glass in blending operation.



Luminar 4030 Process Spectrometer Front and Side View