

Diode Array 7200

Feed-Analyzer



Benefits:

- Rapid Analysis
- Easy Sample Presentation
- Non Contact Analysis
- No Sample Preparation

Diode Array 7200 Feed Analyzer

The DA 7200 Feed Analyzer is a Near Infrared Reflectance (NIR) spectrometer designed and optimized for the analysis of grain, other feed ingredients and finished feed. The instrument uses an advanced optics based on diode array technology collecting data simultaneously at all wavelengths. The user interface was developed in close contact with our customers offering simple, flexible and efficient analysis. With easy 'As Is – Pour and Place' sample presentation, the analysis is performed within seconds.



Thanks to the non-contact analysis, different sample types are analyzed without hardware changes or use of special sample cups or quartz cells.

Features and Benefits

Hardware: The DA 7200 is a stand-alone instrument based on solid state optics design. The instrument incorporates a gold-coated stationary grating for wavelength separation and an array of diodes for energy detection giving results in seconds. The instrument has a spectral range of 950 - 1650 nm, a built in computer and touch screen. The rotating sample and automated reference flag ensures accuracy and stability. User exchangeable lamp and fuses minimizes instrument down-time and maintenance costs.

Software: The Simplicity software interface was designed for routine analysis and data collection. The single-button analysis mode with outlier detection allows for very fast and secure operation. Different password levels improve system security by protection of calibrations and results. For calibration development the system supports Unscrambler® from CAMO and GRAMS32® from Galactic Software.



Applications

Raw material analysis: Determination of relevant parameters in all feed raw materials as grains, oilseeds and meals to improve least cost formulations.

Process optimization: Tighten tolerances to optimize process moisture content as well as the use of costly protein and fat additives. Detect processing failures and avoid production of products outside specifications.

Finished Product Verification: Verify product compliance with specifications and reduce rejections by analyzing each shipment to make sure the correct product is delivered.

Traceability: Secure traceability by storing analysis results continuously.



Specifications

Power Requirement: 115/230V, 50/60 Hz, 115 W.

Dimensions (HxDxW): 556x375x370x mm with touch screen in top position

Net Weight: 21 kg

Wavelength Range: 950 - 1650 nm

Operating Environment: Temp: 5- 35°C, Humidity: 35 - 80 %

Products: All Grains, Oilseeds, Meals, Other Raw Materials and Pellets

Parameters: Moisture, Protein, Oil, Fibre, Starch and others

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