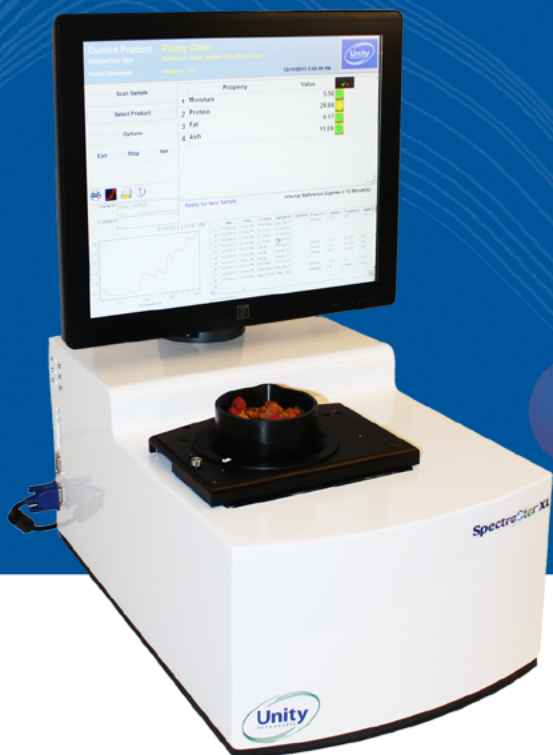


Rapeseed Processing Analyzer



- Rapeseed, Rapeseed Meal and By-Products
- Moisture, Protein, Fat, Fiber, Starch, Ash, NDF, and Other Parameters in Under 30 Seconds*
- Ready to go Pre-Calibrated with Unity or Ingot® Calibrations from Aunir™

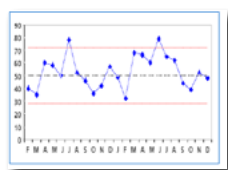
* Deluxe Model

Monitoring incoming rapeseed quality whole and expeller

Monitoring and controlling extraction process

Residual oil and protein values in rapeseed meal

Feed value of rapeseed meal



BENEFITS

- Rapid payback
- At-line ready
- Simple to use
- Flexible sample handling
- Easy data integration
- Low maintenance
- ISO 12099 Compliant
- Guaranteed calibrations



Process and Quality Control

Fast, accurate analysis is critical for rapeseed processors to optimize the oil extraction process and insure quality of the finished products. Optimizing the process will save the plant time and money and provide very rapid payback. Near Infrared (NIR) analysis is a proven technique designed to provide fast, accurate, and reliable results for the oil seed processing industry.

SpectraStar XL

The Rapeseed Processing Analyzer is based on the SpectraStar XL, a state of the art stand-alone NIR analyzer optimized for the analysis of ground and unground natural products. The SpectraStar XL is calibrated to NIST traceable reference standard materials and utilizes TRUE NIR™ components for outstanding performance and reliability, providing high uptime, complete confidence and quick payback to the operators.

The Unity Scientific SpectraStar™ RTW (Rotating Top Window) system gives the ultimate in sampling flexibility and allows the customer to make measurements of all important steps in rapeseed processing.

Plug and Go Calibrations

The Basic Rapeseed Analyzer comes ready to use with Unity calibrations for protein, moisture and fat in rapeseed and meal and includes 1 year calibration support.

The Deluxe Rapeseed Processing Analyzer is powered by the Ingot® calibration package from Aunir™, world leaders in NIR calibrations. This package includes moisture, fat, protein, fiber, ash, starch, sugar and other calibrations for rapeseed, rapeseed expeller, rapeseed meal. All Ingot calibrations are backed by Aunir's 30 years of experience and include 1 year calibration support and guarantee from Aunir.

SpectraStar™ XL

Rapeseed Processing Analyzer

How to Order

Simply choose the analyzer package below for ready to go analysis of all your rapeseed processing samples

Rapeseed Processing Analyzer Basic

US-2500-CAN1
SpectraStar 2500 XL
(1100 nm – 2500 nm)
Unity Calibrations

Rapeseed Processing Analyzer Deluxe

US-2500-CAN2
SpectraStar 2500 XL
(1100 nm – 2500 nm)
Aunir™ Ingot® Calibrations

Ready to Use

The Unity Rapeseed Processing Analyzer is robust enough to be used both at-line or in the lab. The system features a long life lamp and no air filter or fan, providing for very low cost of ownership. The built in computer is fully networkable and LIMS compatible, allowing for plant management to immediately access results. The Rapeseed Analyzer is a valuable tool to control every step in the rapeseed processing plant from incoming expeller to rapeseed meal feed value analysis.

Both Rapeseed Processing Analyzer packages include the following:

- SpectraStar 2500 XL (1100nm - 2500nm) with built in 17" touch screen prediction software, multi-cup adapter, powder cup adapter, Unity check cell, Unity R99 standard
- 2 Large open cups US-LGOP-0001 for analysis of rapeseed and rapeseed meal

The **Rapeseed Processing Analyzer Basic** package includes:

- Unity calibrations for rapeseed and rapeseed meal
- 1 year free calibration support

The **Rapeseed Processing Analyzer Deluxe** packages include:

- Full Ingot Calibration package for rapeseed and rapeseed meal



Specifications (Full Specifications in SpectraStar XL Brochure)

Technology	Pre-dispersive scanning monochromator with nominal bandwidth of 10 nm (FWHM)
Wavelength Range	1100 - 2500 nm
Light Source	Tungsten halogen lamp with MTBF rating of 10,000 hours (User changeable)
Detector	Custom dual cooled, extended InGaAs detectors (2)
Analysis Time	10 - 30 seconds
Data Interval	1.0 nm
Photometric Noise	< 0.02 mAu 1100 - 2500 nm

User Interface

Built-in Computer	Windows® 7 Professional, Solid State HDD, 17" high resolution touch screen monitor
Software	InfoStar™ prediction and data management package
Network Capabilities	OPC Compliant; LIMS Compatible; 5 USB ports, 2 Ethernet (RJ45)

Dimensions and Power Requirements

Size	330 x 381 x 508 mm (with display) 330 x 381 x 270 mm (without display)
Weight	18 kg, 40 lbs.; 22 kg, 48 lbs. with monitor
Voltage	100-240 V AC *, frequency 50-60 Hz, Class 1, protective earth



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