



Cropscan 2000F NIR Flour Analyser



The Cropscan 2000F is a powerful near infrared spectrophotometer capable of measuring protein and moisture in soft and hard wheat and durum, as well as measuring protein, moisture, ash, maltose, water absorption, development, stability and starch damage in flour. The instrument uses near infrared transmission spectra and supports to sample cells. Wheat is measured in a Whole Grain Cell and Flour is measured in a Power Cell. The Cropscan 2000F uses a Sample Transport Module for wheat in order to average spectra over a wide sample area. Flour is measured using a circular sample cell which is placed in a sample drawer.

Australian designed and manufactured.

Features

NIR Transmission technology

Broad Spectral Range, 720-1100nm

Benefits

Same NIR technology as used throughout the world in the grains industry. Suitable for whole grains and powdered samples.

Multiple constituent analysis
Optimum PLS calibrations
1st and 2nd derivative spectral data
Qualitative and quantitative analysis

No Moving Parts	Unaffected by vibration Independent of orientation Rugged, stable and compact
Internal Computer, Keyboard, LCD	Stores calibrations and predicts constituents onto a LCD Save results using alpha/numeric characters
RS232 Serial Port	Provides a convenient method of uploading stored data to a PC or to download calibrations to the instrument
2 Sample Cells	15mm cell - wheat, barley, soybean, corn and durum Powder cell - flour, meals, semolina
Sample Transport Module (STM)	Scans large sample area Automates multiple sample loadings
Small Footprint	Requires less bench space

Specifications

Scan Range:	720-1100nm
Pixels	38
Scan Speed:	2-4 seconds
Power:	110/240VAC, 18VDC
Weight and Dimensions:	8Kg, 330mm(W) x 270mm(D) x 220mm(H)

Applications

Wheat	Protein and Moisture
Soy Bean	Protein, Oil and Moisture
Corn	Protein, Oil, Moisture and Starch
Flour Chemical	Protein, Moisture, Ash, Maltose,
Flour Rheometry	Water Absorption, Development, Stability, Starch Damage



Cropscan 2000F Flour Cell