

## **2000B Near Infrared Transmission Analyser**

The CropScan 2000B is a powerful Near Infrared Transmission spectrophotometer capable of measuring protein, oil and moisture in cereal grains, oil seeds, flour, meals and bio-fuels. The instrument uses near infrared transmission spectra and supports a range of sample cells for whole grains and seeds as well as powders, liquids, slurries, eaves and berries. The CropScan 2000B uses a moving sample cell to average spectra over a wide sample area.



Australian designed and manufactured

NIR Transmission technology  Broad Spectral Range  720-1100nm Multiple constituent analysis Optimum PLS calibrations 1st and 2nd derivative spectral data Qualitative and quantitative analysis Optimum PLS calibrations 1st and 2nd derivative spectral data Qualitative and quantitative analysis  Diode Array Optics  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, USB Memory Device  Provides a convenient method of uploading stored data to a PC or to download calibrations to the instrument  8mm cell - canola, powders 15mm cell - barley, sorghum 18mm cell - wheat, oats, triticale 28mm cell - liquins, faba beans, chick and field peas Powder cell - flour, meals, semolina  Sample Transport Module (STM)  Scans large sample area Automates multiple sample loadings  Specifications  Specifications  Specifications  38  Scan Speed  720-1100nm  38  Scan Speed  2-4 seconds  Power  110/240VAC, 19VDC  Physical  Applications  Wheat  Protein and moisture  Barley  Protein and moisture  Soybean  Protein, oil and moisture  Corn  Protein, oil and moisture  Oil and moisture	Features	Benefits
Broad Spectral Range 720-1100nm Multiple constituent analysis Optimum PLS calibrations 1st and 2nd derivative spectral data Qualitative and quantitative analysis  Diode Array Optics Unaffected by vibration Independent of orientation Rugged, stable and compact  Stores calibrations and predicts constituents onto a LCD Save results using alpha/numeric characters  RS232 Serial Port, USB Memory Device Provides a convenient method of uploading stored data to a PC or to download calibrations to the instrument  8mm cell - canola, powders 15mm cell - barley, sorghum 18mm cell - lupins, faba beans, chick and field peas Powder cell - flour, meals, semolina  Sample Transport Module (STM) Scans large sample area Automates multiple sample loadings  Specifications Scan Range 720-1100nm  Pixels 38 Scan Speed 2-4 seconds Power 110/240VAC, 19VDC Physical 12kg, 450 x 380 x 270mm  Applications  Wheat Protein and moisture  Barley Protein and moisture  Protein, oil and moisture  Corn Protein, oil and moisture	NIR Transmission technology	Same NIR technology as used throughout the world for
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Barley Protein and moisture  Soybean Protein, oil and moisture  Corn Protein, oil and moisture	Applications	
Soybean Protein, oil and moisture  Corn Protein, oil and moisture	Wheat	Protein and moisture
Corn Protein, oil and moisture	Barley	Protein and moisture
	Soybean	Protein, oil and moisture
Canola Oil and moisture	Corn	Protein, oil and moisture
	Canola	Oil and moisture

Certified under the NMI Pattern Approval for Protein Measurement.



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