



# MultiScan

## Series 2000 NIT Analyser

The Series 2000 Near Infrared Transmission Analyser is a powerful diode array spectrometer designed to measure transmission spectra through liquids, powders, granules and slurries. The Series 2000 NIT spectrometer measures the O-H(water and alcohol), N-H(proteins, amides and amines) and C-H(fats, oils, surfactants, carbohydrates and hydrocarbons) bonds in a broad range of materials. Applications include petrochemicals, plastics, polymers, chemicals, textiles and pharmaceuticals. The Series 2000 has sample cells available to measure liquids, slurries, granules, pellets, powders, films and woven materials. NTAS(NIR Technology Analysis Software) is included in this system and provides a comprehensive Chemometrics software package.



*Australian designed and manufactured*

Features	Benefits
NIR Transmission technology	Provides measurement of liquids, granules, slurries and powders with one instrument
Broad Spectral Range	720-1100nm 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, USB Memory device	Provides a convenient method of uploading stored data to a PC or to download calibrations to the instrument
4 Sample Cells	5mm Powder Cell - powders, films and textiles 10mm Squeeze Cell –creams, ointments and lotions 10mm Liquid Cell - liquids 18mm Granular Cell – pellets and beads
Small Footprint	Requires less bench space
Specifications	
Scan Range	720-1100nm
Pixels	38
Scan Speed	2-4 seconds
Power	110/240VAC, 19VDC
Applications	
Pharmaceutical	Tablets, ointments, creams and lotions
Polymers	Hydroxyl No., Identification
Petrochemical	Ethanol, Octane No., Solvents
Chemical	Moisture, active ingredients, identification
Bio-fuels	Ethanol, Biodiesel



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