



# MultiScan

## Series 3000 Food Analyser

The Series 3000 Food Analyser is a Near Infrared Transmission spectrometer designed to measure protein, fat, water, sugar, alcohol and other compounds in meat, dairy products, dough, milk powder etc in less than 1 minute. The Series 3000 Food Analyser uses a rotating sample drawer to analyse a wide range of materials, i.e., granules, powders, liquids, slurries, emulsions, films and solids. The rotating sample drawer collects the NIT spectra over a wide area and then averages the spectra to give more accurate results. Samples can be loaded into Lexan dishes or disposable plastic petri dishes. The Series 3000 Food Analyser uses a Touchpad Screen PC running our NTAS (NIR Technology Analysis Software) suite of programs.



*Australian designed and manufactured*

Features	Benefits
NIR Transmission technology	Provides measurement of slurries, pastes, lotions, powders and granules 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 in Optics	Unaffected by vibration Independent of orientation Rugged, stable and compact
Touchpad PC	Stores calibrations and predicts constituents 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
Rotating Sample Cell	5mm cell - powders 10mm cell – meat, dairy, dough 90mm diam. Petri dish holder
Small Footprint	Requires less bench space
Specifications	
Scan Range	720-1100nm
Pixels	38
Scan Speed	2-4 seconds
Power	110/240VAC, 19VDC
Physical	Weight 18.3kg, Dimensions: 355 x 355 x 355
Applications	
Meat	Protein, fat and moisture
Dairy Products	Protein, fat, moisture and lactose
Dough	Protein, oil and moisture
Confectionery	Protein, oil and moisture
Ice Cream	Fat, solids and sugar



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