



# MultiScan

## Series 5000 On Line Analyser

The Series 5000 On Line Analyser is a powerful near infrared spectrophotometer capable of measuring protein, moisture, fat, alcohol, sugars and other components in cereal grains, oil seeds, dairy products, small goods and processed meats, dough, beverages, pellets, granules, liquids and slurries. The instrument consists of a NIR Spectrometer, a Remote Sampling Device and a Remote Display Module. The NIR Spectrometer can be mounted up to 10 meters from the sampling point. The Remote Sampling Device is mounted on an auger, a pipe or a conveyor belt and is connected to the NIR Spectrometer using a Fiber Optic Cable. The Remote Sampling Device collects the NIR light transmitted through or reflected off the sample. The Fiber Optic Cable transmits the light back to the spectrometer where the component concentrations are calculated. The data is displayed on the Remote Display Module, which can be mounted at a convenient position for use by an operator.



*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
Fibre Optic Cable	Locates the NIR Spectrometer up to 10meters for the Remote Sensor
RS232 Serial Port, USB Memory Device	Provides a convenient method of uploading stored data to a PC or to download calibrations to the instrument
Multiple Outputs	RS232, RS485, 4-20mA and 0-10V output signals
Rugged Industrial Enclosure	IP-66 SS Enclosure, Suitable for CIP.
Specifications	
Scan Range	720-1100nm
Pixels	38
Scan Speed	2-4 seconds
Power	110/240VAC, 19VDC
Physical	Weight 15kg, Dimensions: 320 x 300 x 120
Applications	
Meat	Protein, fat and moisture
Dairy Products	Protein, fat, moisture and lactose
Dough	Protein, oil and moisture
Grains, Oil Seeds and Olives	Protein, oil and moisture
Ice Cream	Fat, solids and sugar