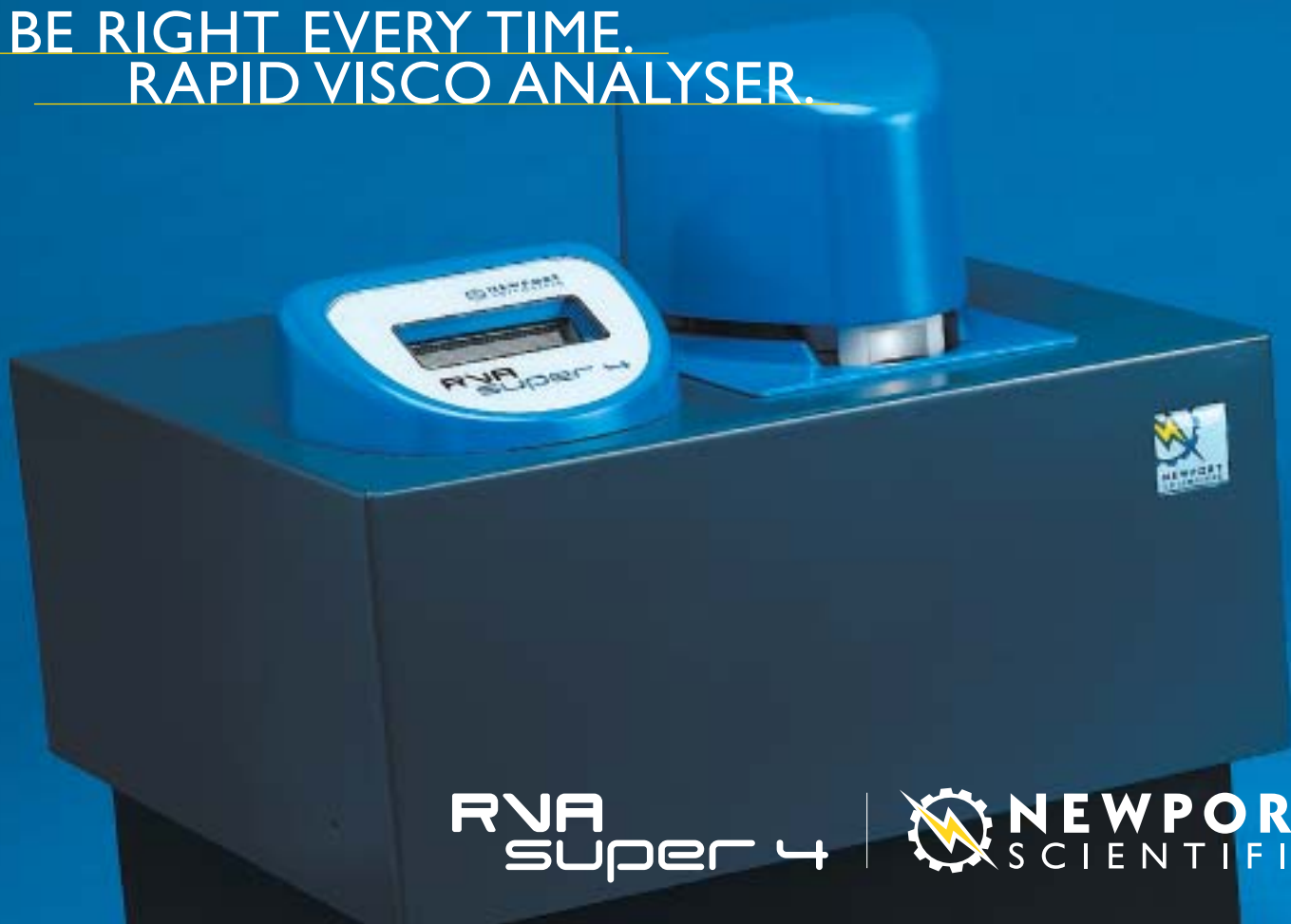




MEASURING
FOOD
VISCOSITY?

BE RIGHT EVERY TIME.
RAPID VISCO ANALYSER.



RVA
super 4



NEWPORT[®]
SCIENTIFIC

MEASURING FOOD VISCOSITY?

BE RIGHT EVERY TIME.
RAPID VISCO ANALYSER.



Sensitive

Direct drive motor and control system optimised for low viscosity samples.

Relevant

Operate as a "Miniature Pilot Plant" with tailored test routines to emulate processing conditions in industry.

Rapid

Full starch pasting test in 13 minutes.

Traceable

Calibration check with traceable standards to satisfy ISO9000 and Quality System requirements.

Precise

Accurate stirring speeds, heating and cooling rates, ensures repeatable results between RVAs.

Simple

Automated operation minimises training and ensures reliability.

Robust

Robust and safe for analytical laboratory through to factory floor.



NEWPORT SCIENTIFIC...
Producing better instruments for the world's laboratories, factories and grain elevators.



RVA-SUPER4: THE HIGH SENSITIVITY VISCOMETER FOR PRODUCT INNOVATORS

NEWPORT SCIENTIFIC is committed to its R & D programme to design and produce better instruments for your laboratory, factory or grain elevator. Choose from a range of Rapid Visco™ Analysers for viscosity testing of foods, cereals and starches, including a high sensitivity model for low viscosity measurements. Laboratory/Factory mills for convenient, safe and reliable sample preparation and doughLAB™ for assessment of wheat flour dough quality and processing characteristics.

All the instruments in the NEWPORT SCIENTIFIC range are supported around the globe by a team of distributors focussed on service and applications support.

The design of the high sensitivity RVA-Super4 has been optimised to meet the demands of today's manufacturers, researchers and most creative food product innovators.

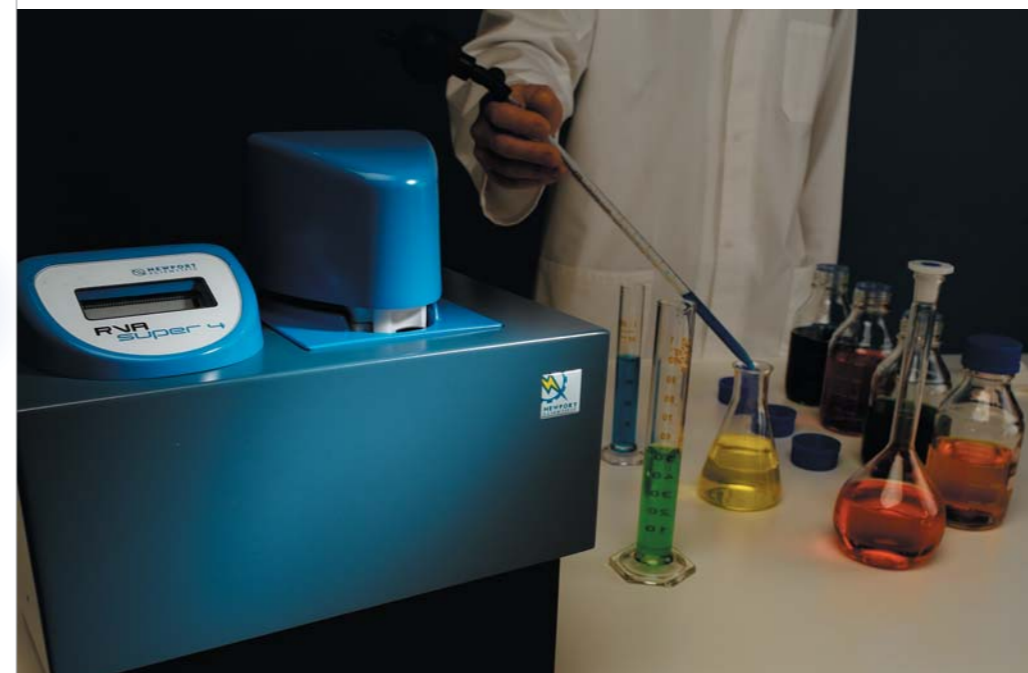
Variable shear rates and multi-cycle heating and cooling combine to reveal more about your product's rheological profile and viscosity performance. Cook tests, melt tests and bench top "miniature pilot plant" production routines are all possible with RVA-Super4.

Incorporating a new state of the art brushless motor with high precision viscosity sensing, crystal-locked speed control system, internally referenced temperature control

system and 16 bit analogue to digital signal conversion for improved resolution, RVA-Super4 is the most sensitive and accurate RVA ever.

To complement the functionality of RVA-Super4, new ThermoLine for Windows software focuses on ease of use, automation and flexibility to design novel test and analysis routines. It also adds ER/ES (electronic records/electronic signatures) compliance to meet the growing demand for data security.

Together, enhanced software and state of the art hardware combine to make RVA-Super4 the most accurate, reproducible and reliable RVA, even at low viscosity.



Starch

"If you are serious about starch there is only the Rapid Visco 'Visco Analyser'". Full starch pasting test from 13 minutes including native and modified starches.

Proteins

Wheat gluten, Skim milk powder, Whey protein concentrate, Soy protein.

Gums

Gelling and thickening profiles of Hydrocolloids and Formulations.

Milling & Baking

Starch quality, Gluten quality, Amylase activity, Weather damage.

Brewing

Malting barley, Barley storage, Kilned malt, Brewing adjuncts.

Dairy

Processed cheese manufacture and melt, Soft dairy desserts, Yoghurts.

Extruded and Cooked Foods

Snacks, Breakfast cereals, Pasta, Noodles, Formulated foods.

THE RAPID VISCO ANALYSER

RVA SUPER 4



RAPID VISCO ANALYSER RVA-Super 4 with Windows Software

PART NUMBER 240V: 102612; 110V: 102611

SPECIFICATIONS

Hx WxD	370 x 310 x 290 mm
WEIGHT	18 kg
TEMPERATURE RANGE	0 – 99.9°C(1)
TEMPERATURE ACCURACY	+/- 0.3°C at 25°C
HEATING/COOLING RATE	up to 14°C/minute (infinitely variable)
SPEED RANGE	Computer controlled infinitely variable 20 - 2000 rpm
SPEED ACCURACY	+/- 1% at 160 rpm
VISCOSITY RANGE	20 - 35,000cP at 80 rpm; 10 - 17,500 cP at 160 rpm
VISCOSITY ACCURACY	+/- 3% for S2000 Oil nom. 5000 cP
DISPLAY	2 x 16 character Vacuum Fluorescent Display (VFD)
POWER SUPPLY	240/115VAC, 3.5A, 50/60 Hz
INTERFACE	RS232, 9 pin 'D' connector
EC COMPLIANCE	Yes
COUNTRY OF MANUFACTURE	Australia

(1) Water, 1 litre/min, 210 Kpa. A chilled coolant supply is required to achieve temperatures below room temperature.