

Kett

SCIENCE OF SENSING

AN-920

NIR Rice Composition Analyser



NIR Rice Composition Analyser AN-920

Nondestructive measurement of the amount of moisture, protein, and amylose of brown rice or milled rice

This is a composition analyser capable of measuring the composition, such as moisture, protein, and amylose, of brown or milled rice by a nondestructive measurement method.

The transmission type near-infrared spectroscopy is adopted as the measurement method. The near-infrared ray is irradiated to the sample, and the transmitted light will be detected and used for calculation. Specially, this unit is equipped with a spectroscope using a diffraction grating, and high accuracy wavelength spectrum is provided allowing stable measurement. This unit is ready-to-operate, since the calibration curves of short brown rice and short milled rice are pre-input. And the results can be output to a printer or PC. The necessary daily adjustment of the unit can be performed easily using the supplied standard sample.

Also, the touch-panel allows easy operation. And the low price is achieved due to the simple mechanism.

Analysing composition of rice using AN-920 will help the farmers, rice factories, and dealers to objectively and scientifically perform quality control.

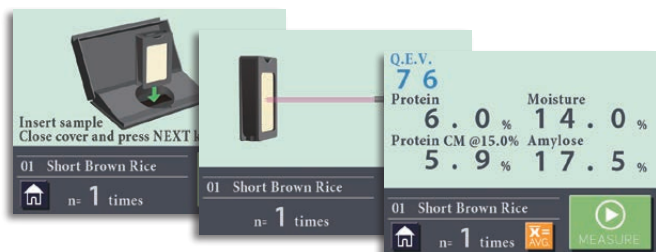
• Easy operation

- (1) Fill the case with sample grains.
- (2) Set the sample case following the displayed instructions.
- (3) After a key operation, the analysis will be completed in approximately 40 seconds.



• Large touch panel

5.7" color LCD allows easy to see the measurement results. Also, helps the operator by displaying the next procedure.



■ Specifications

| | |
|--------------------------------------|--|
| Measurement method | NIR Transmittance |
| Light source | Tungsten lamp (bulb life: 20,000 hours) |
| Applications | Short Brown rice, Short Milled rice |
| Components to be measured | Moisture, protein, amylose (ref. value) |
| Sampling amount | Approximately 60 mL |
| Number of calibration curve memories | 4 components ×8 channels |
| Measuring time | Approximately 40 sec. |
| Operating temperature | 10 to 35 °C |
| Display | 5.7" Color LCD touch panel |
| External output | RS-232C, USB, TCP/IP |
| Power supply | 100 V - 240 V AC (50/60 Hz) |
| Maximum power consumption | 40 W |
| Dimensions and weight | 230 (W) × 400 (D) × 250 (H) mm, 8.5 kg |
| Accessories | Power cable, Sample case ×2, Sampling cup, Fuse, Standard sample (Brown rice ×1, Milled rice ×1, with storage container), Operating manual |
| Options | VZ-800 Printer |

■ Accessories



■ Option



VZ-800 Printer

■ Associated devices



Single-grain Rice Inspector RN-600



Rice Whiteness Tester C-600

Requests



KETT ELECTRIC LABORATORY

1-8-1 Minami-Magome Ota-Ku, Tokyo 143-8507 Japan
Tel. +81-3-3776-1121 Fax. +81-3-3772-3001
URL <http://www.kett.co.jp/> E-mail overseas@kett.co.jp