



## Special Features

- Easy operation & comfortable design with nonslip grid
- Easy sample grinding with rubber coated metal handle
- Average moisture content anytime between 2-9 times
- Automatic temperature correction
- Durable for tough tropical conditions
- Field type with hard protect casing

Kett was the first company in Japan to develop a practical grain moisture tester. Since that time, we have relentlessly pursued the further development of grain moisture testers. The compact, light weight familiar of Riceter moisture testers began with the introduction of the Riceter model in 1961. The Riceter has continued to evolve through a series of models such as the II, 2, 3, D, L, E, J, m, f and fg.

Kett has introduced the latest generation, Riceter fg500 series since 2019. The Riceter fg500 series is a completely new design based upon the extensive know-how that Kett has accumulated with Riceter fg500 series. The Riceter fg500 series was designed to be an even more reliable moisture tester providing even greater ease of use. Kett believes that an excellent measuring device must be both reliable and easy to use. The Riceter fg500 series is the fulfillment of Kett's commitment to produce reliable, easy to use products and Riceter fg508 is one of specialized model of Riceter fg500 series.

## Specification

Measurement method	Electric resistance
Accuracy	0.5% (SEC, 5-20% range)
Operating temp.	0 to +40°C
Display	Digital LCD with backlight illuminator Minimum display digit, 0.1%
Power source	1.5V batteries x 4
Number of calibration curves	12
Dimensions and Weight	164(W)x94(D)x65(H)mm, 0.45kg approx./ Main unit only 310(W)x150(D)x120(H)mm, 1.8kg approx./ Shipment gross
Accessories	Sample tray(2), Spoon with tweezers(1), Cleaning brush(1), Battery(4), Carrying case(1), Operating manual(1), Inspection certificate(1)
Options	Checker kit for Riceter

## Applications, Measuring range & Accuracy

#	Applications	Abbreviation	Range(%)	Accuracy *
1	Wheat	WHEA	9.0-30.0	0.5% or less of SEC  SEC : Standard Error of Calibration curve
2	Barley	BARL	9.0-30.0	
3	Oats	OATS	9.0-30.0	
4	Sorghum	SORG	9.0-26.0	
5	Canola	CANO	6.0-22.0	
6	Peas	PEAS	10.0-20.0	
7	Coriander	CORI	6.0-19.0	
8	Faba Bean	FABA	9.0-20.0	
9	Mung Bean	MUNG	10.0-24.0	
10	Soybean	SOYB	9.0-20.0	
11	Sunflower	SUNF	5.0-20.0	
12	Long Milled Rice	RICE	9.0-20.0	

\* Accuracy: Compared to reference drying oven method with less than 20% range

# Specifications

No.	Applications	Abbreviation	Measurement range	Accuracy <sup>*1</sup>
1	Wheat	W H E A	9.0-30.0%	0.5% or less of SEC
2	Barley	B A R L	9.0-30.0%	
3	Oats	O A T S	9.0-30.0%	
4	Sorghum	S O R G	9.0-26.0%	
5	Canola	C A N O	6.0-22.0%	
6	Peas	P E A S	10.0-20.0%	
7	Coriander	C O R I	6.0-19.0%	
8	Faba Bean	F A B A	9.0-20.0%	
9	Mung Bean	M U N G	10.0-24.0%	
10	Soybean	S O Y B	9.0-20.0%	
11	Sunflower	S U N F	5.0-20.0%	
12	Long Milled Rice	R I C E	9.0-20.0%	

<sup>\*1</sup> Accuracy

- Compared to referne drying oven method with less than 20% range
- SEC : Satnadard Error of Calirbation curve

# Specifications

Measurement method	: Electric resistance
Accuracy	: 0.5% (SEC, 5-20% range), Environment without abnormal electromagnetic noise <sup>*1</sup>
Operating temperature	: 0 to + 40 °C
Display	: Digital LCD with backlight illuminator, Minimum display digit : 0.1%
Number of calibration curves	: 12
Temperature correction	: Automatic temperature correction by thermistor
Automatic temperature correction	: Unit and sample temperature correction is programmed Note) Sample temperature correction is applicable less than 20% moisture range of sample
Power source	: 1.5V (AA size) battery x 4
Auto power off	: 5 min. after nothing of operation
Power consumption	: Max. 0.3W
Dimensions and weight	: 164 (W) x 94(D) x65 (H) mm, 0.45kg, approx./ Main unit only 310 (W) x 150 (D) x 120 (H) mm, 1.8kg, approx./ Shipment gross
Accessories	: Sample tray (2), Spoon with tweezers (1), Cleaning brush (1), AA size Battery (4), Carrying case (1), Operating manual (1), Inspection certificate (1)
Options	: Checker kit for Riceter

<sup>\*1</sup> It has been confirmed that the environmental error caused by electromagnetic noise is within 0.5% by radiated radio wave electromagnetic field immunity test (EN6100-4-3) at test levels 3V/m :80MHz ~ 1GHZ, 1V/m: 2.0 ~ 2.7GHz.