## **Kett** New Riceter fg-529 Grain & Seed Moisture Tester



## **Special Features**

- · Exclusively designed for Bangladesh
- · LCD display with backlight
- Average moisture content anytime between 2-9 times
- Automatic temperature compensation
- All applicatations calibrated by 135°C 1hr, ISO-665, ISO-24557 and ISTA.
- Durable for tough tropical conditions
- · Field type with hard protect casing

## Applications, Measuring range & Accuracy

| #ApplicationsAbbreviationRange(%)Accuracy*1Aus PaddyPAUS9.0-30.09.0-30.09.0-30.02Aman PaddyAPAD9.0-30.09.0-30.03Boro PaddyBPAD9.0-30.09.0-30.04Hard WheatHWEA9.0-30.00.5% (SEC)5Soft WheatSWEA9.0-30.09.0-30.06Jute SeedJUTE6.0-30.0SEC :7MaizeMAIZ9.0-30.0SEC :8Parboiled RicePERB9.0-20.0SEC :9White/Atap RiceATAP9.0-20.0SEC :10LentilLET10.0-20.0Interval11Mung BeanMUNG10.0-24.0SEC :12Black GramBLGR8.0-20.01.5% (SEC)13Cow PeaCOWP8.0-18.0SEC :14Grass PeaGRAS5.0-18.0SEC :15Pigeon PeaPIGN8.0-22.0SEC :16Mustard seedMUST5.0-18.0SEC :18SunflowerSUNF5.0-20.0SEC :19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-16.0DDOnion seedONIO8.0-18.0Sentandard   |    |                 |              |           |            |
|---|----|-----------------|--------------|-----------|------------|
| 2Aman PaddyAPAD9.0-30.03Boro PaddyBPAD9.0-30.04Hard WheatHWEA9.0-30.05Soft WheatSWEA9.0-30.06Jute SeedJUTE6.0-30.07MaizeMAIZ9.0-30.08Parboiled RicePERB9.0-20.09White/Atap RiceATAP9.0-20.010LentilLET10.0-20.011Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0  | #  | Applications    | Abbreviation | Range(%)  | Accuracy * |
| 3Boro PaddyBPAD9.0-30.04Hard WheatHWEA9.0-30.05Soft WheatSWEA9.0-30.06Jute SeedJUTE6.0-30.07MaizeMAIZ9.0-30.08Parboiled RicePERB9.0-20.09White/Atap RiceATAP9.0-20.010LentilLET10.0-20.011Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 1  | Aus Paddy       | PAUS         | 9.0-30.0  |            |
| 4Hard WheatHWEA9.0-30.00.5% (SEC)5Soft WheatSWEA9.0-30.00.5% (SEC)6Jute SeedJUTE6.0-30.0SEC :7MaizeMAIZ9.0-30.0SEC :7MaizeMAIZ9.0-30.0SEC :8Parboiled RicePERB9.0-20.0Calibration9White/Atap RiceATAP9.0-20.0Calibration10LentilLET10.0-20.0Calibration11Mung BeanMUNG10.0-24.0SEC :12Black GramBLGR8.0-20.0SEC :13Cow PeaCOWP8.0-18.0SEC :14Grass PeaGRAS8.0-20.0SEC :15Pigeon PeaPIGN8.0-22.0SEC :16Mustard seedMUST5.0-18.0SEC :17SesameSESA5.0-18.0SEC :18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.0CalibrationBCorianderCORI6.0-19.0CalibrationCBlack CuminBLCM5.0-16.0   | 2  | Aman Paddy      | APAD         | 9.0-30.0  |            |
| Soft WheatSWEA9.0-30.05Soft WheatSWEA9.0-30.06Jute SeedJUTE6.0-30.07MaizeMAIZ9.0-30.08Parboiled RicePERB9.0-20.09White/Atap RiceATAP9.0-20.010LentilLET10.0-20.011Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 3  | Boro Paddy      | BPAD         | 9.0-30.0  |            |
| 5Soft WheatSWEA9.0-30.06Jute SeedJUTE6.0-30.0SEC :<br>Standard<br>Error of<br>Calibration7MaizeMAIZ9.0-30.0SEC :<br>Standard<br>Error of<br>Calibration9White/Atap RiceATAP9.0-20.0SEC :<br>Standard<br>Error of<br>Calibration9White/Atap RiceATAP9.0-20.0SEC :<br>Standard10LentilLET10.0-20.0It11Mung BeanMUNG10.0-24.0SEC :<br>Standard12Black GramBLGR8.0-20.0SEC :<br>Standard13Cow PeaCOWP8.0-18.0SEC :<br>Standard14Grass PeaGRAS8.0-20.0SEC :<br>Standard15Pigeon PeaPIGN8.0-22.0SEC :<br>Standard16Mustard seedMUST5.0-18.0SEC :<br>Standard17SesameSESA5.0-18.0SEC :<br>Standard18SunflowerSUNF5.0-20.0SEC :<br>Standard19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.0SandardBCorianderCORI6.0-19.0CalibrationCBlack CuminBLCM5.0-16.0Sandard | 4  | Hard Wheat      | HWEA         | 9.0-30.0  | 0.5% (SEC) |
| 7MaizeMAIZ9.0-30.0Standard<br>Error of<br>Calibration8Parboiled RicePERB9.0-20.0Calibration9White/Atap RiceATAP9.0-20.0Calibration10LentilLET10.0-20.0Calibration11Mung BeanMUNG10.0-24.0Secondary12Black GramBLGR8.0-20.0Secondary13Cow PeaCOWP8.0-18.0Secondary14Grass PeaGRAS8.0-20.0SEC :15Pigeon PeaPIGN8.0-22.0SEC :16Mustard seedMUST5.0-18.0SEC :18SunflowerSUNF5.0-20.0SEC :19SoybeanSOYB9.0-20.0Calibration19CorianderCORI6.0-19.0Calibration10Black CuminBLCM5.0-16.0Secondary   | 5  | Soft Wheat      | SWEA         | 9.0-30.0  |            |
| 7MaizeMAIZ9.0-30.0Error of<br>Calibration8Parboiled RicePERB9.0-20.0Calibration9White/Atap RiceATAP9.0-20.0Calibration10LentilLET10.0-20.0Toological11Mung BeanMUNG10.0-24.0Noological12Black GramBLGR8.0-20.0Soore13Cow PeaCOWP8.0-18.0Toological14Grass PeaGRAS8.0-20.0Secci15Pigeon PeaPIGN8.0-22.0SEC :16Mustard seedMUST5.0-18.0Secci17SesameSESA5.0-18.0Standard18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.0CalibrationBCorianderCORI6.0-19.0CalibrationCBlack CuminBLCM5.0-16.0Source   | 6  | Jute Seed       | JUTE         | 6.0-30.0  |            |
| 8Parboiled RicePERB9.0-20.0Calibration9White/Atap RiceATAP9.0-20.010Calibration10LentilLET10.0-20.011Mung BeanMUNG10.0-24.011Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.01.5% (SEC)14Grass PeaGRAS8.0-20.01.5% (SEC)15Pigeon PeaPIGN8.0-22.08.0-18.016Mustard seedMUST5.0-18.05.0-18.017SesameSESA5.0-18.05.0-20.018SunflowerSUNF5.0-20.05.0-20.019SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.05.0-19.0BCorianderCORI6.0-19.06.0-19.0CBlack CuminBLCM5.0-16.0   | 7  | Maize           | MAIZ         | 9.0-30.0  |            |
| 9White/Atap RiceATAP9.0-20.010LentilLET10.0-20.011Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 8  | Parboiled Rice  | PERB         | 9.0-20.0  |            |
| 11Mung BeanMUNG10.0-24.012Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 9  | White/Atap Rice | ATAP         | 9.0-20.0  |            |
| 12Black GramBLGR8.0-20.013Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 10 | Lentil          | LET          | 10.0-20.0 |            |
| 13Cow PeaCOWP8.0-18.014Grass PeaGRAS8.0-20.015Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 11 | Mung Bean       | MUNG         | 10.0-24.0 |            |
| 14Grass PeaGRAS8.0-20.01.5% (SEC)15Pigeon PeaPIGN8.0-22.0SEC:SEC:16Mustard seedMUST5.0-18.0SEC:Standard17SesameSESA5.0-18.0Error ofCalibration18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AChili seedAChili seedCHIL5.0-20.0CorianderCORIBCorianderCORI6.0-19.0StandardCBlack CuminBLCM5.0-16.0Standard  | 12 | Black Gram      | BLGR         | 8.0-20.0  |            |
| 15Pigeon PeaPIGN8.0-22.016Mustard seedMUST5.0-18.017SesameSESA5.0-18.018SunflowerSUNF5.0-20.019SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 13 | Cow Pea         | COWP         | 8.0-18.0  |            |
| 16Mustard seedMUST5.0-18.0SEC :<br>Standard17SesameSESA5.0-18.0Standard18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.0CalibrationBCorianderCORI6.0-19.0CalibrationCBlack CuminBLCM5.0-16.0Section   | 14 | Grass Pea       | GRAS         | 8.0-20.0  | 1.5% (SEC) |
| ItoMustalu seeuMosti5.0-18.0Standard17SesameSESA5.0-18.0Standard18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0CalibrationAChili seedCHIL5.0-20.0CalibrationBCorianderCORI6.0-19.0CalibrationCBlack CuminBLCM5.0-16.0Standard   | 15 | Pigeon Pea      | PIGN         | 8.0-22.0  |            |
| 17SesameSESA5.0-18.0Error of18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AAChili seedCHIL5.0-20.0CalibrationBCorianderCORI6.0-19.0CorianderCBlack CuminBLCM5.0-16.0Calibration  | 16 | Mustard seed    | MUST         | 5.0-18.0  |            |
| 18SunflowerSUNF5.0-20.0Calibration19SoybeanSOYB9.0-20.0AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0  | 17 | Sesame          | SESA         | 5.0-18.0  |            |
| AChili seedCHIL5.0-20.0BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0   | 18 | Sunflower       | SUNF         | 5.0-20.0  |            |
| BCorianderCORI6.0-19.0CBlack CuminBLCM5.0-16.0  | 19 | Soybean         | SOYB         | 9.0-20.0  |            |
| C Black Cumin BLCM 5.0-16.0   | Α  | Chili seed      | CHIL         | 5.0-20.0  |            |
|   | B  | Coriander       | CORI         | 6.0-19.0  |            |
| D Onion seed ONIO 8.0-18.0  | C  | Black Cumin     | BLCM         | 5.0-16.0  |            |
|   | D  | Onion seed      | ONIO         | 8.0-18.0  |            |

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

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 fg-500 series since 2019. The Riceter fg-500 series is a completely new design based upon the extensive know-how that Kett has accumulated with Riceter fg-500 series. The Riceter fg-500 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 fg-500 series is the fulfillment of Kett's commitment to produce reliable, easy to use products and Riceter fg-529 is one of specialized model of Riceter fg-500 series.

## **Specification**

| Measurement method           | Electric resistance   |
|------------------------------|---|
| Accuracy                     | #1 to 9: 0.5%<br>(SEC, 6 -20% range)<br>#10 to C(23) : 1.5%<br>(SEC, 5-20% range)   |
| Operating temp.              | 0 to +40°C  |
| Display                      | Digital LCD with backlight<br>illuminator<br>Minimum display digit, 0.1%  |
| Power source                 | 1.5V batteries x 4  |
| Number of calibration curves | 23  |
| Dimensions and Weight        | 164(W)x94(D)x65(H)mm,<br>0.45kg approx./ Main unit only<br>310(W)x150(D)x120(H)mm,<br>1.8kg approx./ Shipment gross   |
| Accessories                  | Sample tray(2),<br>Spoon with tweezers(1),<br>Battery(4), Cleaning brush(1),<br>Carrying case(1), Maize Mill(1),<br>Operating manual(1),<br>Inspection certificate(1) |



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