

Measurement of the Degree of Milling

# MILLING METER

MM1E



MM1E

**SATAKE CORPORATION**

Above display is a composite picture.

The Satake Corporation has developed a new milling meter that simultaneously measures the degree of milling, comparative whiteness and degree of transparency of milled rice samples. This advanced measuring system uses both reflected and absorbed light, producing far greater accuracy than can be obtained with conventional whiteness meters, which measure only reflected light.

**1)Three Displayed Milling Indicators**  
Milling Degree, which is an indicator of the percentage of bran removal, is calculated by a microprocessor from the measured whiteness and transparency values. In addition, Whiteness and Transparency, which are indicators of appearance, are also displayed.

**2) Rapid Analysis**  
The Satake MM1E can accurately analyze a sample within five seconds.

**3) Ease of Operation**  
The Satake MM1E analyzes milled rice without the need for preliminary grading or grinding. It is only necessary to place a rice sample into the sample case and insert the case into the unit. All measurement is accomplished automatically, with no special skills or techniques required by the operator.

**4) LCD Touch Sensitive Display of Measured and Average Value**  
The LCD allows greater reading accuracy. Averaging of up to five sample values is done automatically. Historical store of 999 results.

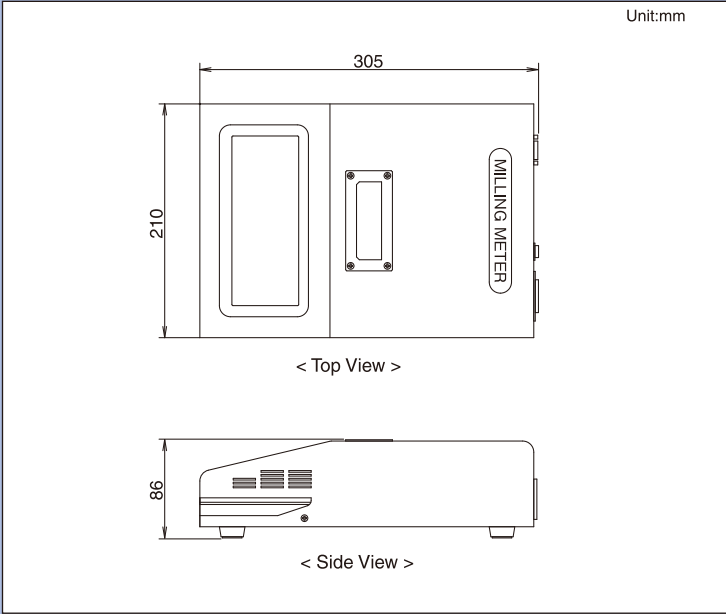
**5) Objective Measurement for Milling Degree**  
The Satake MM1E eliminates subjective judgments of milling degree. This is especially useful whenever an objective appraisal of milling degree is necessary, such as in the prevention of over-milling and under-milling in rice whitening lines.

## MILLING METER

### Specifications

|                    |   |
|--------------------|---|
| Model              | MM1E  |
| Measurement Method | Photo diode   |
| Measurement Range  | Whiteness : 5.0~70.0%<br>Transparency : 0.01~8.00%<br>Milling Degree Points : 0~199 |
| Light Source       | Blue LED  |
| Power Source       | AC90~240V, 50/60Hz Single Phase   |

### Dimensions



|       |                |
|-------|----------------|
| Model | Net Weight(kg) |
| MM1E  | 3.5            |

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