

SHIZUOKA TM-3500 GRAIN TESTER ANALYZER

Light weight / Compact design

TM-3500 can be carried easily as portable because of its compact design about 6.6kg. The high speed measurement with about 20 seconds. For analyzing the rice, just press the measurement button only, it's simple operation. It takes only 20 seconds to obtain the analysis result.

Bias self-adjustment function

TM-3500 equips a bias automatic adjusting function. In order to coordinate with criteria, only measuring a standard sample is required. Bar code reader (*optional accessory) is used to input the standard value to the main unit. *It is necessary to calculate the difference of a standard value and measurements value in the case of the bias manual adjustment.



Average value calculation function

TM-3500 makes an analysis average amount at the maximum nine times of one sample. TM-3500 achieve the whole average value from the different sorts sample by measuring several times.

Easily! Bar code entry

It is very convenient if the bar code reader (*optional accessory) connect to TM-3500, because it's easy to reading the grain sample name and etc.

1. Read bar code of the grain sample name.
2. The grain sample name is displayed on the screen.
3. The grain sample name is printed on output data.

The high-efficiency measurement by the high-performance "polychromator"

TM-3500 is able to output the continued wavelengths from 500nm to 1010nm by built-in the highest optical system polychromator. TM-3500 realized the highly precise measurement by the most suitable wavelength of calibration.

Specifications	
Model name	TM-3500
Measurement method	Near infrared transmission
Measurement item	Brown rice:Moisture,Protein,Amylose,Adipo acid degree,Score Milled rice:Moisture,Protein,Amylose,Score
Measurement time	About 20 seconds (In the case of the the first step measurement)
Quantity of sample	Brown rice / Milled rice 66ml (About 60g)
Measurement range	• Brown rice:
	Moisture:10.0~17.0%
	Protein:4.0~11.0% (Dried goods conversion)
	Amylose:15.0~30.0% (Taotal starch rate)
	Adipo acid degree:5~100mgKOH/100g
	Score:40~100
	• Milled rice:
	Moisture:10.0~17.0%
Protein:4.0~11.0% (Dried goods conversion)	
Amylose:15.0~30.0% (Taotal starch rate)	
Score:40~100	
Electric source, Power consumption	AC100V ± 10V(50/60Hz)- 40W
Measurement Weight	W306 × H162 × D282mm Approx. 6.6kg

