

# THINKY

"NIPPON MONOZUKURI" INNOVATOR

Made in Japan

## Planetary Centrifugal Mixer

# THINKY MIXER

## ARE-250C€

### &

## Multi-Sensor



## ARE-250CE is User-friendly & highly versatile standard type

Material temperature can be measured in real time with multi-sensor

- ✓ Over 400 G of acceleration generated by rotation and revolution speed allows powerful simultaneous mixing and defoaming
- ✓ Equipped with an original air cooling mechanism
- ✓ Different types of containers can be utilized with THINKY adapters
- ✓ The multi-sensor can log data on a PC via Bluetooth connection.

Wide opening for easy loading



Maximum capacity

**310g**

Standard container

**300 ml**  
resin container

## Application

### Epoxy Resin (base + hardener) and Alumina Powder

Before



After



2-part resin and white alumina powder are uniformly mixed to a solid green color.



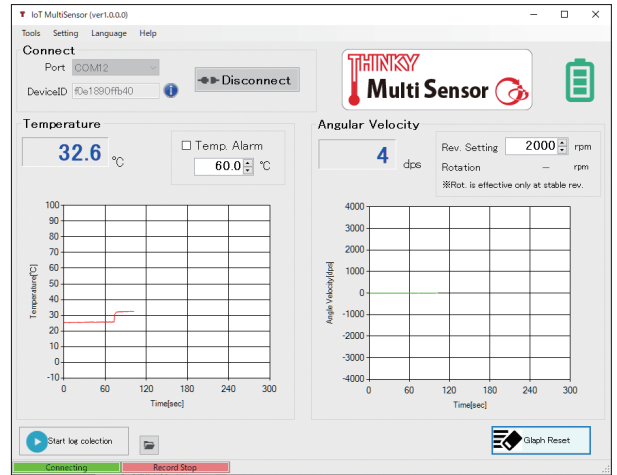
Multi sensor



Wireless receiver



Application (installed on your terminal)



Display image

## Specification (ARE-250CE)

Model	ARE-250CE
Product name	Planetary Centrifugal Mixer "THINKY MIXER"
Method	planetary, propeller-less mixing
Timer setting range	0 seconds, and 10sec to 30 min
Revolution speed	Mixing mode / 0 rpm, 200 - 2,000 rpm Deforming mode / 0 rpm, 400 - 2,200 rpm
Rotation speed	Mixing mode / 1/2.5 of revolution speed Deforming mode / 1/36.7 of revolution speed
Standard container	inner volume 300 ml, HDPE / 150 ml, HDPE
Max. Mixing Volume	310g *1
Memory	5 memories (Each memory holds 5 sequential time and rpm steps.)
Safety functions	Door sensor, vibration sensor, revolution sensor
Power supply	230 V AC +/-10% 50/60 Hz (Unless specified) Power consumption / Standby: approximately 50 VA Operation max .900VA Specifications for North America, Asia, CE available
Operating ambient environment	5 to 35 °C, 35 to 80 % RH (without condensation)
Unit dimensions	H380 × W300 × D315 (mm)
Unit weight	approx. 22 kg

\*1: Maximum mixing volume (gross weight) = container + materials  
Some types of mixing materials may be insufficiently mixed or defoamed(degassed).  
This unit is not designed to be explosion-proof. Do not mix materials that are dangerous or hazardous to humans.  
The mixing results may vary depending on process condition or materials.

## Specification (Multi-Sensor)

Model	MS-150MLCE, MS-300MLCE	
Container	MS-150MLCE; 150 ml HDPE container MS-300MLCE; 300 ml HDPE standard container	
Temperature	Sensor Type	Non contact infrared thermometer
	Measuring range	+0.0 °C ~ +79.9 °C
	Resolution (Minimum)	0.1 °C
Rotation	Sensor Type	angular velocity measuring method
	Measuring range	200~2000 rpm ※Not compatible with defoaming mode (Lower speed rotation)
	Resolution (Minimum)	1rpm
Power Supply	Multi sensor : Coin cell (Lithium Battery CR2450) Bluetooth receiver : USB	
Battery life	100 hour	
Unit Dimensions	The height of standard 300 ml container + 27 mm	
Weight	MS-150MLCE; Approx. 100 g (Including 150 ml container) MS-300MLCE; Approx. 155 g (Including 300 ml container)	

The accuracy of sensor may decreased depending on operating environment.

## Specification (Software)

OS	Windows7, 8, 10(32 bit, 64 bit)
Display Items	Temperature, deg/s, Rotational speed in RPM, Remaining battery power
Log Data	Can be exported to CSV file

Product appearance/specifications may change without notice.

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