

# N-BIOTEK SHAKER SERIES

Beltless magnetic drive Benchtop Shakers with LCD Touch Screen



N-BIOTEK offers benchtop shakers which are available in two sizes with various options such as orbital, reciprocating, combination shaking motions and a remote control. Also, various vessels holder platforms can be installed easily.

All shakers include 3.2 inch LCD touch screen which displays multiple information in one colored screen. Beltless magnetic drive provides stable and powerful shaking upto 300RPM with 22mm orbit diameter.

**1 NB-T101S  
Mini Orbital Shaker**



Compact size but, powerful and stable shaking up to 2L flask x 2ea and 300RPM.

**2 NB-T101M  
Medium Orbital Shaker**



Medium size orbital shaker. Shaking up to 5 x 2L flasks or 20kg. Its low height & proper weight make shaking stable even with a heavy load.

**3 NB-T101MT  
Multi Shakers**



One of two shaking motions between orbital and reciprocating is selectable. Adjusting a lever switches the motion.

**4 NB-T101MC  
Combination Shaker**



It offers a combination of orbital and reciprocating shaking in one shaker at same time. It can also shake in only orbital by adjustment.

**5 NB-T101SRC, MRC  
Remote Controlled Shaker**



Specially designed shaker with remote controller is CO<sub>2</sub> & Humidity resistant for the use in an incubator. Convenient external wired remote controller offers outside control when the shaker is in an incubator.



**Shaker in a CO<sub>2</sub> Incubator**

# FEATURES



## Beltless Magnetic Induction Drive

Minimizes vibration, noise, heat generation. It makes stable, gentle shaking. Magnetic drive eliminate the need of belt replacement



## CO<sub>2</sub> & Humidity Resistant

A combination of BLDC and epoxy coated coil plate allow shaker to work in the condition like high humidity or CO<sub>2</sub>.



## Switchable shaking motion (NBT101MT, 101MC)

Switching lever allows a user to select a shaking motion between reciprocating and orbital



<Mini Shaker>



<Medium Shaker>

## Easy & Simple Platform Installation

Screws are not necessary for installing platforms. Platforms can be fit by only 4 supporters on the corner of the plate. For a larger shaker, use two thumb screws to fix.



30cm  
Wide



## ACCESSORIES FOR MINI-SHAKERS

205-H10	100ml Flask Holder x 12ea with Platform
205-H25	250ml Flask Holder x 8ea with Platform
205-H50	500ml Flask Holder x 5ea with Platform
205-SR	Spring Rack with Platform
205-MP	Microplate Rack<4ea> with Platform
205-TR14	Tube Rack <14mm> : 10ml tube x 56holes
205-TR16	Tube Rack <16mm> : 15ml tube x 32holes
205-TR19	Tube Rack <19mm> : 15ml x 32holes
205-TR50	Tube Rack <30mm> : 50ml x 10holes

## ACCESSORIES FOR MEDIUM SHAKERS

205L-H10	100ml Flask Holder x 36ea with Platform
205L-H25	250ml Flask Holder x 23ea with Platform
205L-H50	500ml Flask Holder x 16ea with Platform
205L-H100	1000ml Flask Holder x 9ea with Platform
205L-H200	2000ml Flask Holder x 5ea
205L-SR	Spring Rack with Platform

**TUBE RACK**  
ALL Tube racks available in Mini Shakers are also same available in Medium shaker. Max. 2 tube racks are mountable in the platform of Medium Shakers

# 3.2" LCD Color Touch Panel



The 3.2 inch easy-to-read LCD touch screen displays shaking speed in RPM and timer to assure that the shaker is running according to the setting value and also it enables an user to adjust the values precisely even with gloved fingers.

## 1 The easy-to-read view

The legibility of values has been improved greatly since the well-organized display allows an user to view shaking speed and timer, alarm event in one LCD screen.

## 3 Easy to clean

The Liquid Crystal Display is free from damage during cleaning. It can be cleansed only by polishing with a soft cloth.

## 2 Precise and user-friendly control

The sensitive LCD touch screen responds immediately by even a light touch. The control by itself prevents any change or activation of operation from being occurred by mistouch

## 4 Able to set up step program

The step program offer a step setup for maximum 4 different shaker speed with timer in one or continuous rotation.

## SPECIFICATION

Model	NB-T101S	NB-T101M	NB-T101MT	NB-T101MC
Shaking Motion	Orbital	Orbital	Orbital or Reciprocating	Dual or Orbital
Speed(RPM)	30 - 300RPM			
Speed Accuracy	±1 rpm			
Speed Increment	1 rpm			
Timer	up to 99h 59min 59sec(4 different timer as a step program)			
Display	3.2 Inch LCD Color Touch Screen			
Orbit Size	22mm			
Dimension, mm(Platform)	300(W) x 300(D)	460(W) x 455(D)mm		220(W) x455(D) x 2ea
Dimension, mm(Overall)	285(W)x380(D)x90(H)	460(W)x540(D)x125(H)		460(W) x540(D) X240(H) including spring rack
Weight(Kg)	8kg	29kg	34.5kg	38.5kg
Power	100-120V or 210-230V / 50 or 60Hz			

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