# Hercuyan

# **TT-3000 Smart Mixer**

# HIGHLIGHTS

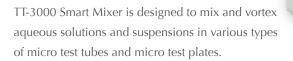
• Pre-programmed soft keys: Allow selection of pre-set mixing parameters

• Stable: Remain stationery even at maximum mixing speed

• Touch vortex: 3,500 rpm

• Universal holder: Universal holder with steel springs hold plates and tube holder firmly in place even at 3,000 rpm mixing speed

• LED display: Clear display for ease of setting and reading



It can hold from 0.2 ml PCR tubes to 2.0 ml micro test tubes as well as PCR plates, MTP & DWP at a maximum mixing frequency up to 3,000 rpm.

Variable speed control and optional tube holders make this mixer ideal for a wide range of mixing applications.

#### **APPLICATIONS**

- Controlled mixing of PCR, restriction or other enzyme reactions
- Resuspension of DNA, RNA, protein or cell pellets in tubes and in plates
- Vortexing in micro test tubes and in 15 ml/ 50 ml screw-cap tubes

#### **EACH STANDARD SET INCLUDES**

- TTC/H-100-MIX-A 96x0.2 ml tube holder
- TTC/H-100-MIX-B 24x0.5 ml tube holder
- TTC/H-100-MIX-C 24x1.5 ml/ 2.0 ml tube holder



96-well skirted PCR plates, 384-well PCR plates and deep well plate can be loaded into the universal holder without requiring any tube holder.





#### 3-IN-1 MODULE MIXER

Allow mixing of aqueous solutions in various types of plates, tubes and vortex mixing

#### 1. Plates

- PCR plates (skirted, semi-skirted, unskirted)
- 384-well PCR plate
- 96 and 384 deep well plates
- MTP

#### 2. Tubes

- 0.2 ml PCR tubes and PCR strips
- 0.5 ml microtest tubes
- 1.5 ml / 2.0 ml mirotest tubes

#### 3. Vortex





## SOFTKEYS FOR PRESET OPTIMIZED MIXING PARAMETERS

Softkey	Speed (rpm)	Time (s)	Tube / Plate	Fill Level (%)
384	2000	15	MTP and DWP (384-well)	10-60
PCR 384	2600	15	PCR Plate (384-well)	10-50
96	1000	30	MTP (96-well)	5-60
PCR 96/ 0.5	1650	30	PCR plates & DWP (96-well), PCR tubes (0.2 ml) and micro test tubes (0.5 ml)	5-50
1.5/ 2.0	1400	60	Test tubes (1.5/2.0 ml)	5-80

## **TECHNICAL DATA**

Specifications TT-3000	Smart	Mixer
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Speed range	300 - 3000 rpm
Touch vortex speed	3500 rpm
Orbit diameter	3 mm
Operation mode	Timer, touch vortex and continuous operation
Digital time setting	1sec – 99h 59min
Noise Level	<50 dB
Voltage	AC 100-240V, 50/ 60Hz
Power	45W
Fuse	250A, 1A, Φ5x20
Dimension (W x D x H)	196 x 270 x 170 mm
Net weight (kg)	7.7 kg
Permissible ambient temperature	4 - 45°C
Permissible relative humidity	≤70%



#### **ORDERING INFORMATION**

Cat. No.	Smart Mixer
TT-3000	Smart Mixer TT-3000, 300-3,000 rpm, 3 mm, AC 100-240V
Cat. No.	Tube Holder for Smart Mixer
TTC/H-100-MIX-A	Tube holder for Smart Mixer, $96 \times 0.2$ ml
TTC/H-100-MIX-B	Tube holder for Smart Mixer, 24 x 0.5 ml
TTC/H-100-MIX-C	Tube holder for Smart Mixer, 24 x 1.5 ml/ 2.0 ml







TTC/H-100-MIX-A

TTC/H-100-MIX-B

TTC/H-100-MIX-C