Tailored Workflows

Accelerated Breakthroughs

Reliable & Compliant

Uncompromising Precision

Optimized Value

Partner-Driven Success and Integrity

INNOMINI™ T℃mixER

Temperature Controlled Mixer

VELSSON
AN INNOVEL COMPANY

T℃mixER-A
Temperature Controlled Mixer

Main view   Right view   Left view

T℃mixER-A is a thermostatic mixer with an independent control system, which is indigenously developed by VELSSON. It could meet the requirements of heating, cooling and mixing of liquid samples in a variety of experimental scenarios. It has the advantages of high precision, stable performance, simple operation and could be embedded into automation systems.

min: s	℃	rpm
01:30	18	800
02:30	30	1200

VELSSON   T℃mixER-A

Application scenarios

- Cell culture
- Nucleic acid extraction
- Enzymatic reaction
- Chemical reaction
- Sample storage and handling
- Protein crystallization
- PCR experiment
- Food safety testing
- Environmental monitoring

Features

Precise temperature control

Equipped with a high-precision temperature sensor and intelligent temperature control system, T℃mixER-A has a temperature range of 0-100℃ and great accuracy of 0.2℃, ensuring stable experimental conditions and accurate results

Condensation prevention

The hot cover (optional) effectively prevents the generation of condensation, and the unique condensation collection device effectively collects and removes condensation water, avoiding the risk of circuit failure caused by condensation and ensuring the temperature control stability

Flexible operation

With an intuitive operation interface, T℃mixER-A is very simple for users to get started with. It also supports multiple remote operating modes, including manual, scheduled and continuous operation. Temperature, time and rotate speed could all be set with one click

Efficient mixing

T℃mixER-A could quickly and evenly mix samples without unevenness and stratification, owing to the unique and efficient mixing system design
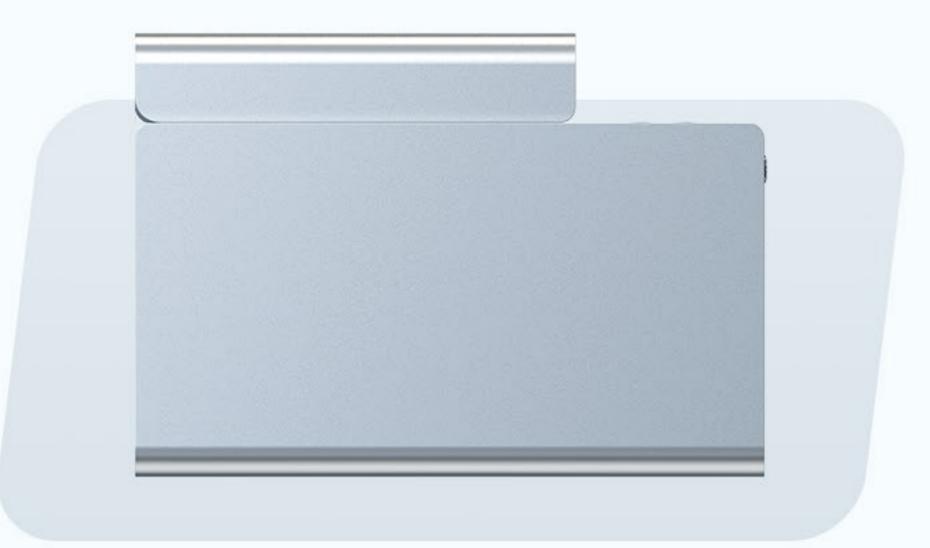
Automated control

The equipment could work automatically through preset programs or remote control, and could be easily integrated into existing automation systems to improve experimental efficiency and repeatability

Excellent compatibility

T℃mixER-A has excellent compatibility and could be adapted to different types of samples, containers and consumables, which users could replace according to the needs of various experimental scenarios. It is versatile, thus saves time and trouble for you

Specifications

Dimensions	200*200*140mm (7.9*7.9*5.6 inch)	Net weight	7KG
Function	Heating, cooling, mixing	Temp. control range	0~100℃
Temp. control accuracy	≤ ±0.2℃	Display accuracy	0.1℃
Heating/cooling speed	±5℃/min	Module temperature uniformity	≤ ±0.3℃
Time setting	1 ~ 99h59min59s / ∞	Speed range	200~2,000rpm
Horizontal amplitude	3mm	Scheduled power on/off	Supported
Scheduled start	Supported	Automatically run at boot	Supported
Automatic recovery after power outage	Supported	Consumable base replacement	Parallel replacement, replacement time ≤5min
Automatic preheating	Supported	Instant mixing	1s instant mixing
Interval mixing	Minimum 1s interval mixing of 4~45℃	Programming function	≥10 groups can be programmed and saved at the same time
Multi-point loop	Up to 5 points and a maximum of 99 loop runs	Automatic positioning	Automatic return to origin, automatic pick and place
Interface protocol	OPC-UA/CAN		
Remote control	Remote automatic opening and closing of doors, adjustment of functional parameters, and connection with automation systems		