

EasyClear User's Manual

Easy-to-use passive clearing and immunostaining system



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Components

Your system has been supplied in a protective packaging. Please remove all tapes, strapping and packing from the system and parts. Retain the carton and packing materials to enable the unit to be repacked. Your system will include the following standard:

Component	Quantity
EasyClear	1 set
EasyClear Main System	1 unit
Power cable	1 unit

Note: The components of this product are subject to change without notice in order to improve its performance.

Specifications

Category	Parameter	Description
Physical Characteristics	Product Type	Easy to use passive clearing and immunostaining system
	Product Dimensions:	12" (W) × 19" (D) × 9.8" (H) 306 mm (W) × 483 mm (D) × 250 mm (H)
	Weight	33 lbs (15 kg)
	Operating Power/Frequency:	AC 100~120V / 50~60Hz AC 200~240V / 50~60Hz
	Electrical input	100~120V(3.5A) 200~240V(2.0A)
	Operating Sight	Indoor use only
	Operating Temperature	0~45°C
	Operating Humidity	0~90% (non-condensing)
Feature details	Tube slot	No. of tube slot
		10ea x 50ml conical tube
		Tube slot size
		30mm diameter x 105 mm
	Temperature control range	Ambient temperature~90°C (0.1°C Step)
		Individual slot temperature control
	Shaking part	Enable
		Shaking frequency
Interface	Shaking distance	0~60RPM , 0~1Hz
		20mm (Peak to peak)
	Tilting hinge	Tilting range
		0 deg to 22 deg
	Fixing method	2 knobs
Interface	LCD/Touch	3.5-inch QVGA Color display (320x(RGB)X240 pixels) /Resistive Touch
	Software	EasyClear UI

Caution

Thank you for purchasing EasyClear. The following instructions are for your own protection and safety use. Please read carefully about property damage or personal injuries.

- At least two people are required to move the instrument.
- Do not use this instrument outdoors. It could cause an electrical short or a lethal shock.
- The location where the instrument will be placed must be steady - firm and leveled.
- Do not leave this instrument in humid or wet conditions. It could cause an electrical short.
- Do not open the instrument before reading the specific conditions described in the manual.
- Connect the instrument to a line plug according to local or country standard and to the specifications.
- Do not use the instrument for different purposes other than those shown by the manufacture.
- Do not switch on the instrument without having waited at least 20 seconds after switching off.

Note: In the event of any unexpected problems, please report immediately to LifeCanvas Technologies: support@lifecanvastech.com

Environmental Conditions for Operation

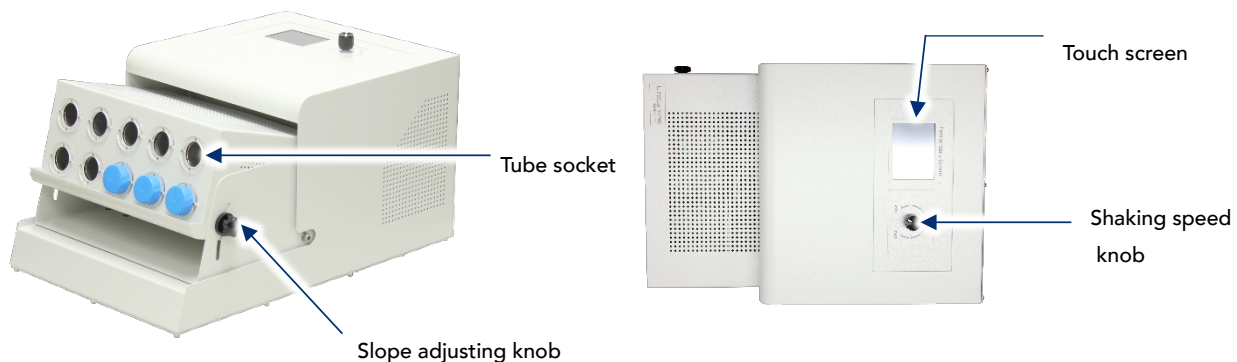
Parameter	Description
Input power	AC 110V / 50 or 60Hz, AC 220V / 50 or 60Hz
Installation site	Indoor use only
Operating temperature	20~24°C

Important note

- Ambient temperature should be constant.
- AC electric power must be correct.

Product Description –Name of the Parts

- Touch screen: A main display unit, which also functions as a control tube's temperature.
- Shaking speed adjuster: A function that adjusts the speed of shaking for effective clearing.
- Tube socket: Tube socket that can be used with 20 X 50ml tubes at once.

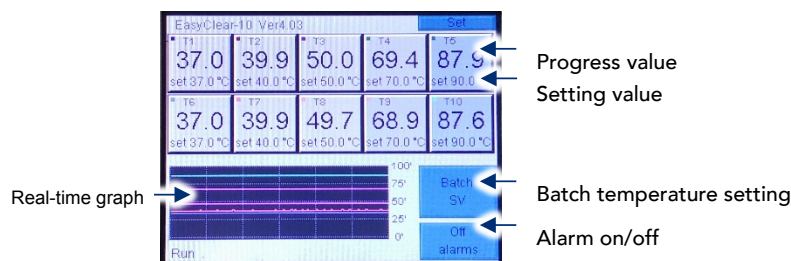


Installation



- Place EasyClear where you want to install it
- Plug the power cable into the connector and plug the other end into a power outlet.
- Turn on the power switch

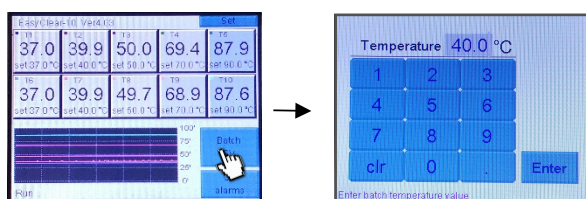
Starting



Batch temperature setting

Batch temperature is for controlling all the temperature channels at once with same values.

- Press Batch SV button to change values.
- When pressed, a new window will pop up where specific values can be entered/changed.
- Press Enter after keying in the values

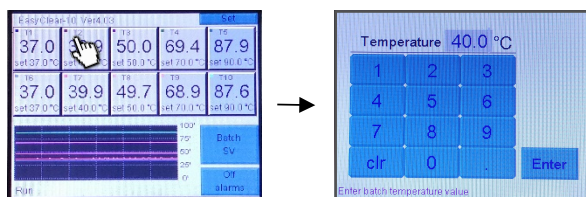


Temperature control range: Ambient ~ 90°C

Individual temperature setting

Individual temperature is for controlling each temperature channel separately.

- Press Temperature button to change values.
- When pressed, a new window will pop up where specific values can be entered/changed.
- Press Enter after keying in the values.



Temperature control range: Ambient ~ 90°C

Warranty

We warrant the product for one calendar year after the date of purchase. In case of any malfunctions caused by the manufacturer during this period, LifeCanvas Technologies will be responsible for repair or replacement of failed parts. However, this warranty excludes the following conditions.

- Any damages due to fire, earthquake, thunderstorm, and other catastrophic events, pollution and abnormal electrical supply.
- Any damages due to unduly repair, adjustment, calibration and modification.
- Any damages due to unduly usage or mishandling.
- Any damages caused by moving, dropping, or transporting of the instrument.
- Replacement and repair of expendables and consumables.

For service, please contact us at: support@lifecanvastech.com

Warranty is valid only if the installation is done by trained personnel according to instructions provided in this manual.

Ordering

SC-1001	Smart-Clear Starting Kit A-type (1set)
	Smart-Clear Main System 1x
	Window 2pairs
	Buffer set (A, B) 2sets(4bottles)
	Sample holder set type-A (XL, L, M, Slice) 1set
	Window Spacer type-A 1set

SC-B1001	
SC-L1011	Window type-A 3pairs
SC-L1012	Sample holder set type-A (XL, L, M, Slice) 1set
SC-L1013	Window Spacer type-A 1set

EasyGel (Hydrogel tissue hybridization system for CLARITY)

EG-1001	EasyGel (1set)
	EasyGel Main System 1x
	Power cable 1x
	Urethane Tubing 1x
	Silicone Tubing 1x

EG-Z1001	Vacuum Pump 1x
EG-Z1002	Silicone Tubing 1x

Easy-Clear (Easy to use passive clearing and immunostaining system)

EC-1001	Easy-Clear (1set)
	Easy-Clear Main System 1x
	Power cable 1x

Easy-Index (CLARITY-optimized immersion medium for optimal image quality)

EI-Z1001	Easy-Index (1 bottle, 50ml)
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