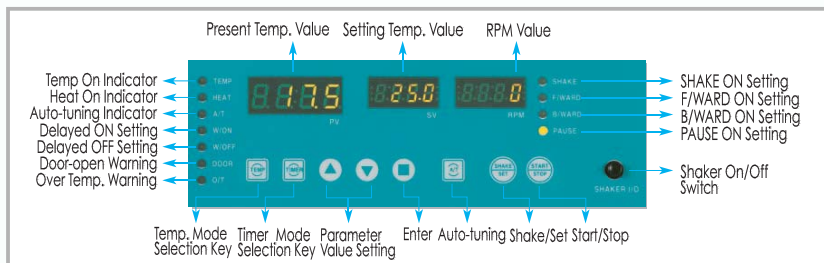


Incubated Shakers - Floor type



IS-971R

IS-971R Control Display



Large and heavy capacity shaking with rapid heating/cooling performance

Advanced shaking for heavy workload and flask up to maximum 4 × 6L.
Exclusive drive mechanism delivers years of dependable service.

Shaking features

- Select between orbital or reciprocating action
- Speed range: 10 to 300 rpm
- Programmable shaking motion
 - Run time: 10 sec to 999 hr 59 min 59 sec
 - Forward & Backward, Pause: 10 sec to 59 min 50 sec
- Maximum orbit size: 70mm dia. (2.8" dia.)

Operating features

- +5°C above room temperature to 60°C for IS-971
- +4°C to 60°C for IS-971R, 971RF
- Microprocess PID control/ Auto-tuning/ Calibration
- Digital timer: 1 min to 99 hr 59 min, delayed ON/ OFF
- Over-temperature limiter/ Door opening alarm
- Digital LED display for temperature (0.1°C resolution), speed, and shaking motions
- 3 different temperature values memorable
- 9 steps of temperature profiles programmable and repeat up to 200 cycles
- Adjustable fan speed within 3 steps and defrosting time/ period control
- RS-232 interface available

Constructional features

- Brushless DC motor for long maintenance-free operation
- High-velocity fan ensures rapid thermal recovery and excellent variation



Inside of IS series

- Viewing window in top-opening provides clear chamber visibility, minimizing the need to open
- Illumination lamp available (only for IS-971RF)
- Gas spring door and lid guard against sudden closures
- Casters easily transport the unit
- Door can be secured with a key and locked
- Use CFC-free refrigerant (for IS-971R, IS-971RF)

Optional Accessories

see page 36-39

- Universal/ Dedicated platforms, Rubber mats, Universal attachments
- Flask clamps, Funnel clamps
- Test tube racks, Spring wire racks
- Microplate holders (three styles)
- Sticky pads

Specifications & Ordering Informations



Model		IS-971	IS-971R	IS-971RF
Temperature	Range (°C/°F)	Amb, +5 to 60 (Amb, +9 to 140) for IS-971, +4 to 60 (+40 to 140) for IS-971R, IS-971RF		
	Fluctuation ¹⁾ at 37°C (± °C/°F)	0,2 / 0,36		
	Variation ¹⁾ at 37°C (± °C/°F)	0,8 / 1,44		
	Refrigerator	-	1 / 3 LBP (AC 120V) 1 / 6 HBP (AC 230V)	1 / 3 LBP (AC 120V) 1 / 4 HBP (AC 230V)
Shaking system	Motion type	Orbital or Reciprocating motion selectable		
	Frequency (RPM)	10 to 300		
	Timer	Run time: 10 sec to 999 hr 59 min 59 sec Forward & Backward, Pause: 10 sec to 59 min 50 sec		
	Orbit size (mm / inch, dia.)	30, 40, 50, 60, 70 / 1,2, 1,6, 2,0, 2,4, 2,8 Available – Standard 30 / 1,2		
Dimensions	Recip stroke length (mm / inch)	30, 40, 50, 60, 70 / 1,2, 1,6, 2,0, 2,4, 2,8 Available – Standard 30 / 1,2		
	Volume (L / cu ft)	270 / 9,5		
	Platform (W×L, (mm / inch)	755×481 / 29,7×18,9		
	Internal (W×D×H) (mm / inch)	894×634×480 / 35,2×25,0×18,9		
	Overall (W×D×H) (mm / inch)	1,132×810×1,045 / 44,6×31,9×41,1		
	Net weight (Kg / lbs)	180,0 / 396,8	195,0 / 429,9	210,0 / 462,9
Electrical Requirements (230V)		50 / 60Hz, 5,2A	60Hz, 7,3A	50Hz, 7,3A 60Hz, 8,1A
Cat. No.		AAH23306K	AAH23321K	AAH23322K AAH23351K AAH23352K
Electrical Requirements (120V)		60Hz, 11,2A	60Hz, 13,8A	60Hz, 15,3A
Cat. No.		AAH23336U	AAH23346U	AAH23356U

1) Technical data, (according to DIN 12880)