



The TVS486AA maintains a temperature-gradient environment from 5 to 70°C for culturing microorganisms.

Features

- Equipped with heating, cooling and rocking functions and has space for 48 samples (2 rows of 24); the TVS486AA allows the rocking-incubation of microorganisms in a temperature-gradient environment over a wide range of temperatures, thus simplifying complex procedures involved in culture tests.
- When set to a constant temperature, the TVS486AA can also be used as a general-purpose incubator offering excellent operation compared with other incubators employing water or air baths.
- The temperature of the incubator block stabilizes quickly, and temperature distribution remains stable. The circulating cooling agent is a nonflammable antifreeze to ensure safe operation.
- The monode rocking motion allows the user to set a desired rocking speed ranging between 20 and 70 rpm, making it easy to set gentle or vigorous movement.
- Temperature information can be viewed on an easy to read digital display. PID temperature control and a platinum sensor ensure high accuracy temperature control.

Main Applications

- Capable of providing a temperature-controlled environment over a wide temperature range, the TVS486AA can be used in the culturing of microorganisms and other time-temperature dependent applications.

Specifications

Temperature Modes	Temperature gradient, constant temperature
Low Temperature Unit	
Temperature Range	5°C to ambient room temp. (35°C max.)
Temperature Control	PID (Pt sensor)
Temperature Stability	±0.2°C
Refrigerator	250W (air cooled hermetic type)
Circulation pump	45W
Heater	200W×2 (for temperature gradient)
High Temperature Unit	
Range	Ambient Temperature+5°C to 70°C
Control unit	PID(Pt sensor)
Accuracy of controller	±0.2°C
Heater	150W×2 (for temperature gradient)
Heater	700W (for constant temperature)
Rocker	
Motion	Monode rocking motion
Angle	(Max.) 30 degree
Speed	20 to 70 rpm, set in 1 rpm increments
Incubator	
Block	Al conductivity block
Tube holder	L-shaped tubes 24 pcs. × 2 rows
Temperature Indicator	
Sensor	Flexible Pt resistor
Indicator	Digital
Safety Device	Circuit breaker and double anti-overheat device
Overall Dimensions	W980×D450×H840 mm (with casters)
Accessories	L-shaped tube: 60 pcs. Coolant: 2L Tray: 1pc
Weight	approx. 140 kg

Incubator Block



A temperature gradient can be applied to 2 rows of 24 samples in culture tubes between 5 and 70°C. Tubes are easy to insert and remove yet are held tightly in place along the incubator block.



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