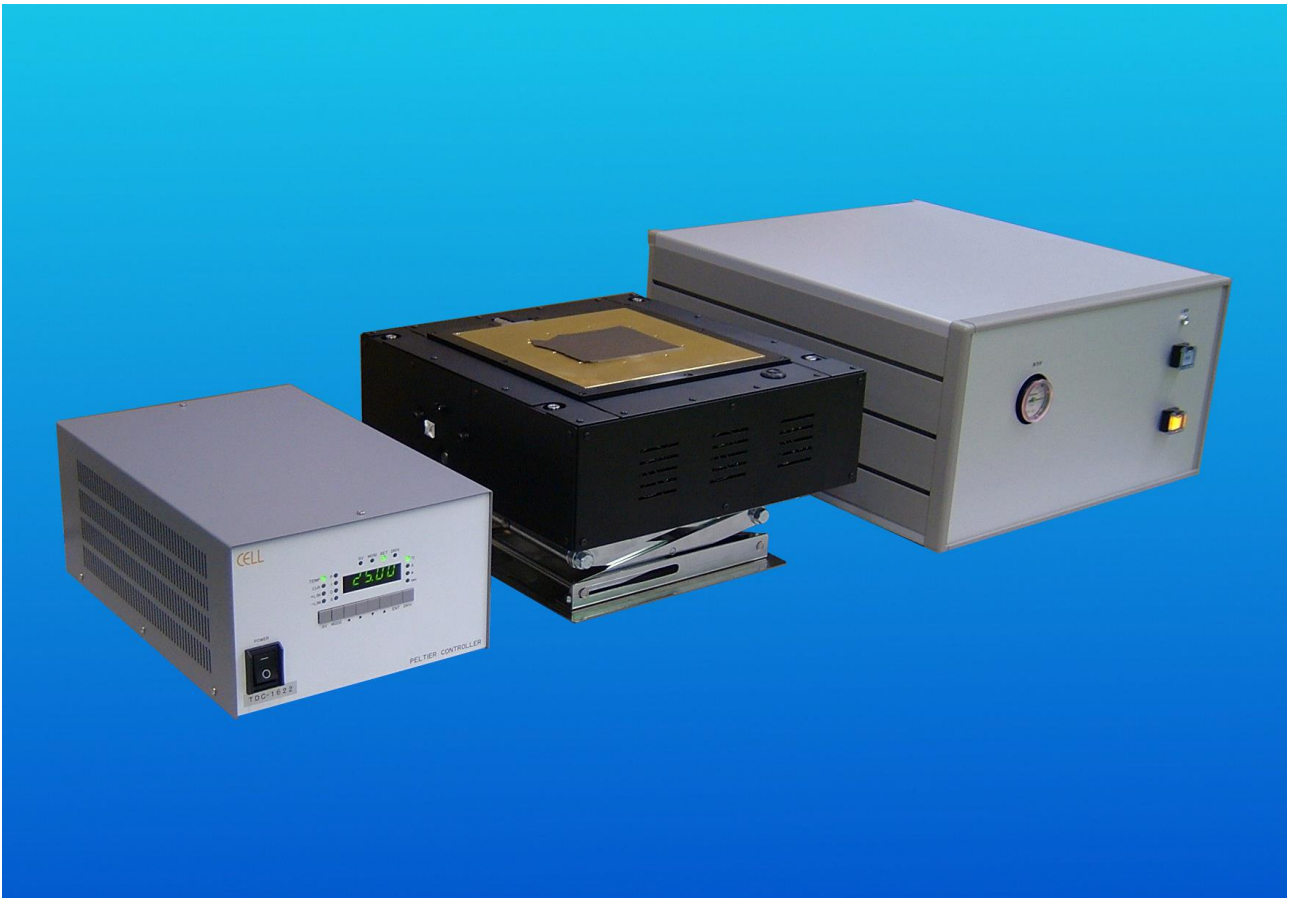


# PVC-1600

## Temperature Controlled Stage for Solar Cell



### FEATURE

This equipment is a stage for controlling temperature of the solar cell equipped. Being connected with our standard temperature controller(TDC-1622), the Temperature Control Stage supplies the control current to a peltier device (TEC), using the digital PID control.

By connecting a vacuum controller, you can keep a plane in the solar cell temperature control stage.

## SPECIFICATIONS

### 1. Temperature Control Stage (PVC-0200)

Solar cell adaptation	Solar cell (~□200mm)
Stage Dimensions	200 × 200 mm
Control Temperature Range	10°C to 70°C (non-condensing)

### 2. Peltier

TEC Maximum Voltage (Vmax)	32V
TEC Maximum Current (Imax)	6A

### 3. Fan

Operation Voltage	12 V
Cooling Method	1.54A (at 12V)
Airflow	65CFM (at 12V)

### 4. Probe for measuring the I-V (Option)

Mounting interval	12(pitch 16mm)
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### 5. Temperature Controller

Temperature Controller	TDC-1622 by Cellsystem
Control Method	Digital PID Control (with auto tuning function)
Control Stability	±0.03°C
Temperature Resolution	0.01°C

### 6. Vacuum controller (Option)

Vacuum contact	Plane to the stage to hold the solar cell temperature control.
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### 7. General Specifications

Operating Temperature	0°C to +40°C
Storage Temperature	-10°C to +60°C
Operating Humidity	85%RH or lower (non-condensing)
Dimensions	<b>PVC-0200</b> 392(W)x360(D)x242(H)mm (The minimum height)
	<b>Vacuum controller</b> 430(W)x450(D)x221.5(H)mm(excluding protrusions)
Weight	<b>PVC-0200</b> 21 kg
	<b>TDC-1622</b> 7 kg
	<b>Vacuum controller</b> 14 kg

\* Specifications and design are subject to change without notice.

#### Manufacturer

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