

Low Temperature Peltier cooling plate

CHP-972WLC

−60°C ~ +145°C

Ideal for cooling and heating of automotive devices/sensors
for temperature characteristics testing



Plate size 100 x 90 mm Temperature range −60°C to +145°C temperature provision possible.

Ideal for temperature characteristic testing of car devices, automotive electronic components, semiconductors, material testing, etc.

Temperature sensor: Pt100 platinum resistance thermometer

temperature control using thermocouples (K or T selectable).

Temperature control accuracy $\pm 0.1^\circ\text{C}$; RS remote control available; equipped with programmable controller temperature regulator.

Dehumidifying nitrogen gas generator (dew point -50°C nitrogen supply);
cooling chiller standard option.

Includes overheating thermostat on the heat dissipation side (70°C).

Remote operation with dedicated chiller.

Type	CHP-972WLC
Temperature Range (°C)	−60 ~ +145
Plate surface temperature distribution (°C)	± 1.5 (Excluding plate end)
Temperature Sensor	Sensor insertion hole on side of plate
Heat release	Water-cooled type (Cooling chiller Cooling water -5°C)
Peltier Module	UT-7070W Cascade Peltier element
Driving Voltage (V) / Current (A)	DC 24 / 7
Plate dimensions (mm)	100 x 90
Temperature Controller	FC-5410 (Controller for Cascade Peltier)
Cooling chiller	Type: EYERA CA-1320

Connection block diagram

Controller



Cooling chiller
Cooling antifreeze circulation

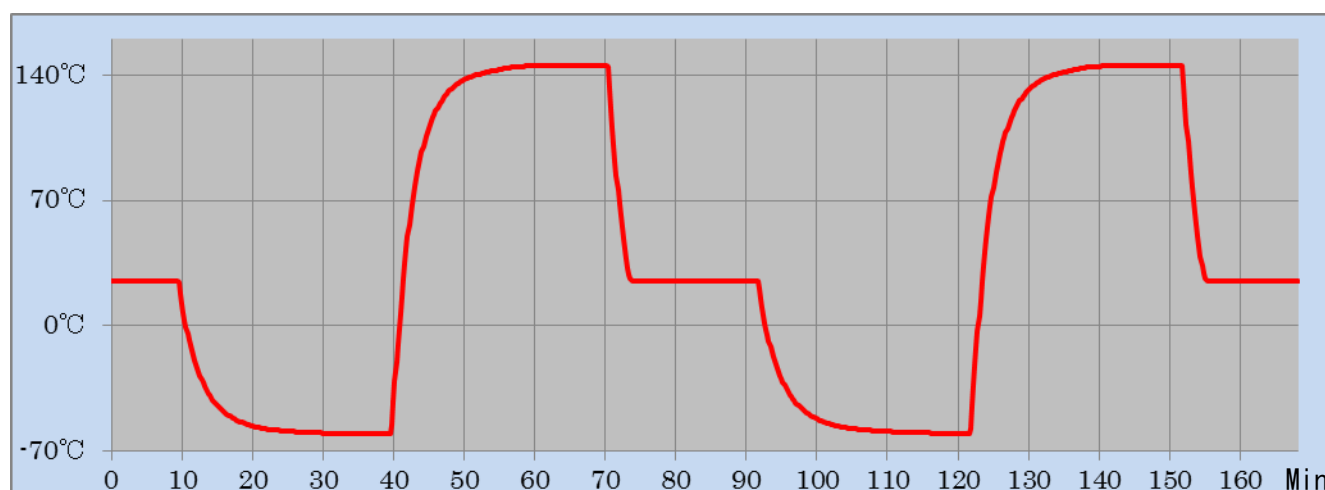


Nitrogen gas generator



Stage

Temperature characteristics



Cooling chiller



Type	CA-1330
Circulation method	Closed system circulation
Temperature control range (°C)	-20 ~ +20
Temperature control accuracy (°C)	±2
Refrigeration equipment and refrigerants	Air cooled 650W R407C
Cooling capacity	0°C: 800W (688kcal/h) -10°C: 600W (512kcal/h)
External Circulation Capability	Max. flow rate 27 / 31 (L/min) Max. lifting height 9.5 / 13m (50 / 60Hz)
External Dimension (mm)	460(W) x 430(500)(D) x 490(548)(H) 48kg (Including projection)
Power Input / Power Supply	11A 1.1kVA AC100V 50/60Hz