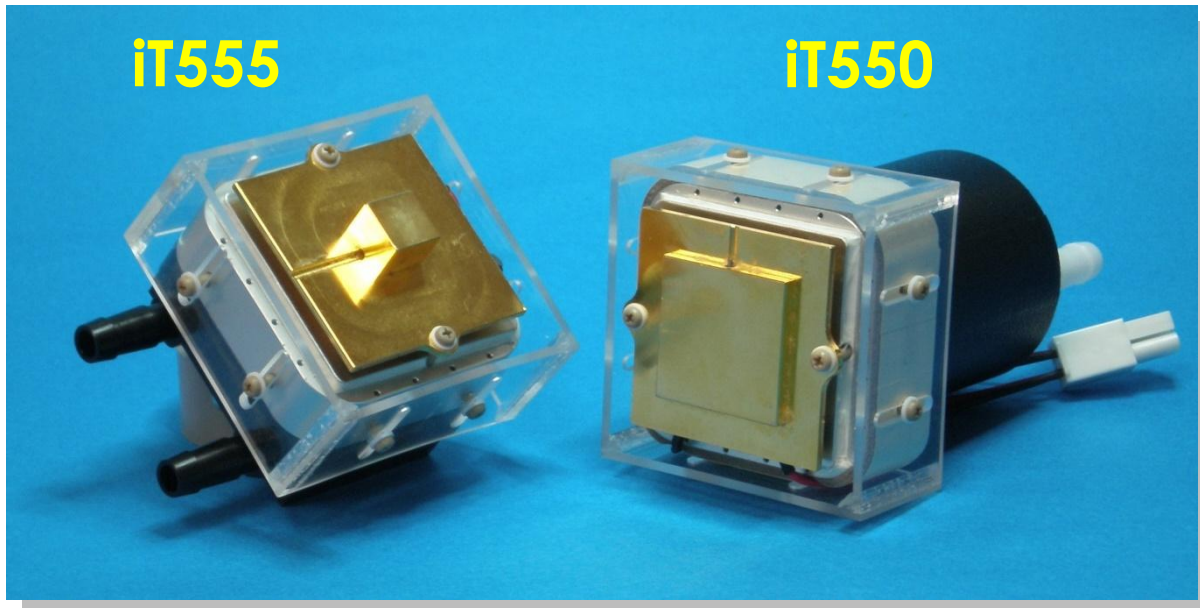
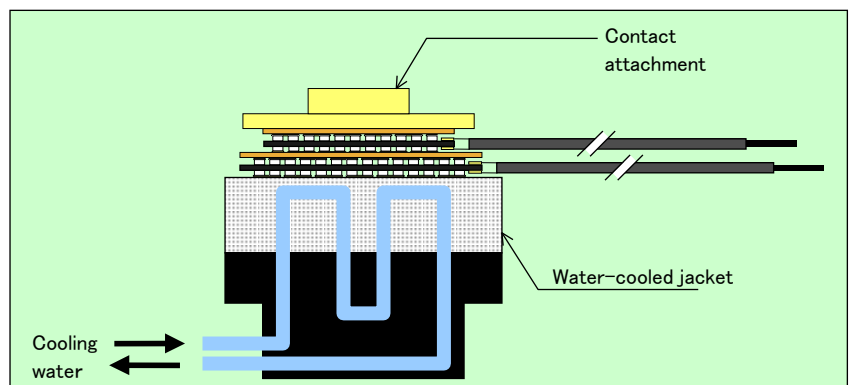


MAXPOWER Peltier temperature control head

iT550/iT555



Can be cooled down to -60°C !



Temperature range available from -60°C to $+145^{\circ}\text{C}$.

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

For implemented devices, sockets, TEG, and small device stages.

Ultra-fast temperature change: Room temperature $\Rightarrow -60^{\circ}\text{C}$ in 4 minutes; $-60^{\circ}\text{C} \Rightarrow +145^{\circ}\text{C}$ in 2.5 minutes.

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

Specification

Type	i T550	i T555
Temperature Range ($^{\circ}\text{C}$)	$-60 \sim +145$	
Temperature accuracy ($^{\circ}\text{C}$)	± 0.1 (FC-4610 Temperature control device)	
Temperature Sensor	Pt100 Platinum resistance thermometer, Thermocouple (K or T)	
Heat release	Water-cooled type (Cooling chiller CCA-1112)	
Cooling and heating methods	UT-4040 (Cascade Peltier device)	
Voltage (V) / Current (A)	DC 12 / 4	
Contact dimensions (mm)	30 x 30 or 20 x 20 ※Standard Model	
Weight (g)	196	



Summary

This device is a temperature controller developed to drive a cascade-type Peltier temperature control head. The temperature controller is equipped with a programmable controller, allowing for high-precision temperature control ($\pm 0.1^{\circ}\text{C}$) and a wide range of temperature control (-60°C to $+150^{\circ}\text{C}$), and it can also be connected to a PC (RS-485). This is a higher-grade Peltier temperature control device that comes standard with a Pt100 temperature sensor.

Specification

Type	FC-4610
Temperature Range ($^{\circ}\text{C}$)	$-60 \sim +150$ (Depends on Peltier specifications)
Temperature accuracy ($^{\circ}\text{C}$)	± 0.1
Temperature Sensor	Pt100 Platinum resistance thermometer, Thermocouple (K or T)
Output Voltage (V) / Current (A)	Two systems, DC-12V and 4V, exclusively for cascade Peltier. / MAX 6A
Control method/Temperature controller	Time proportional PID control / SDC-35 (Asbil)
Temperature Program	8 points
Power Voltage (V)	AC 100 \sim 240
Dimension (mm)	320 x 220 x 120(H)
Serial port / PC port	RS485 / Yes

Temperature Characteristics

