SCNT

Dedicated temperature controller for Peltier modules

Pt100 Platinum resistance thermometer included as standard   With cooling and heating indicator

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Feature

The multi-Peltier temperature controller FC-2410/3510 can control not only the Peltier elements manufactured by Sensor Controls but also the temperature of Peltier elements from other manufacturers with different drive voltages.

The FC-2410/3510 offers a high precision temperature control accuracy of ±0.1℃. By using dedicated temperature controller manufacturer software (sold separately), complex temperature testing programs are possible. It is equipped with an interlock for water cooling.
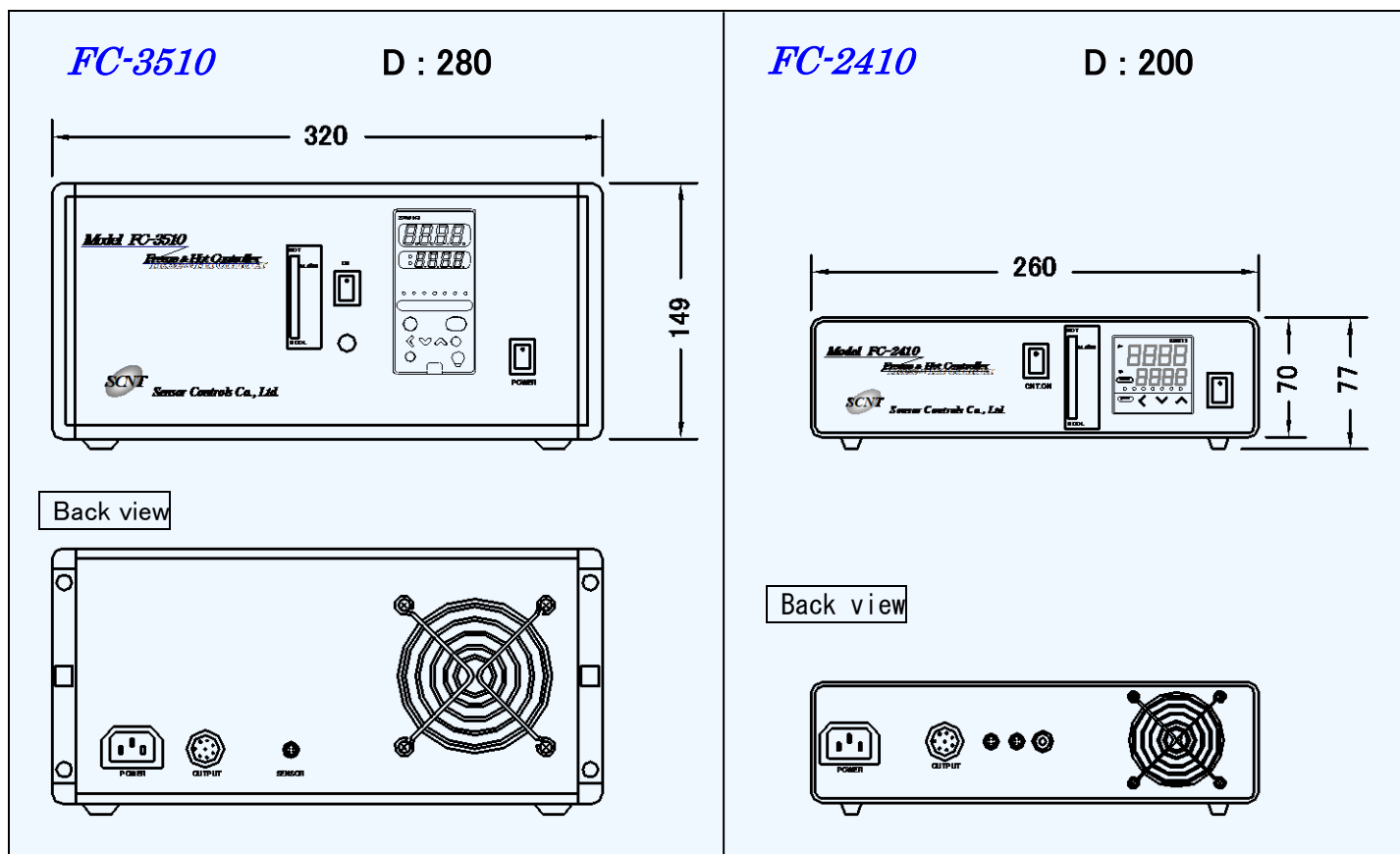
Additionally, it is for temperature control of a unit that drives four Peltier elements with a separate 4CH control type.

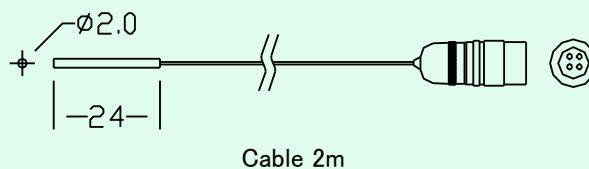The temperature sensor is a standard Pt100 platinum resistance thermometer.

Specification

Type	FC-2410	FC-3510	FC-2440
Temperature Range (℃)	±0.1	±0.1	±0.1
Temperature accuracy (℃)	−50 ～ +150 (Depends on Peltier spec.)		−40 ～ +150
Temperature Sensor	Pt100 Platinum resistance thermometer		Pt100 4 pieces included
Output Voltage (V) / Current (A)	DC 24 / 6.5 4 ～ 24V Can be set with dip switch		4CH temperature control
Control method	Time proportional PID control		
Temperature controller	SDC-15 (Asbil)	SDC-35 (Asbil)	FZ-110(RKC Instrument)
Temperature program	N/A	8 points control	8 points control
Power supply voltage (V)	AC 100 ～ 240		
External dimensions (mm)	260 x 200 x 70	320 x 220 x 120	430x350x150
Serial port	RS-485 (Standard equipment)		
Overheat PreventionThermostat	Standard equipment		

FC-3510   D : 280

320

149

Model FC-3510
Product a Hot Controller
SCNT Sensor Controls Co., Ltd.

Back view

POWER   OUTPUT   SENSOR

FC-2410   D : 200

260

70   77

Model FC-2410
Product a Hot Controller
SCNT Sensor Controls Co., Ltd.

Back view

POWER   OUTPUT

Temperature Sensor Pt100 Platinum resistance thermometer

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Cable 2m

Block diagram

YAMATAKE SDC15
pv
sp
mode
para < ∨ ∧

Temperature
Controller

AR-250
Temperature
control board

150W
Switching
power

Temperature
Sensor

Peltier

Cooling Fan

AC-100V