

Overheating Prevention Device

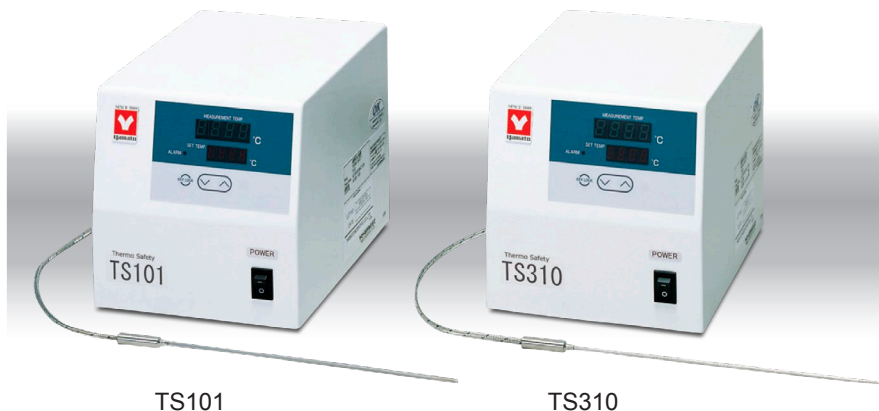
TS101/310

Operating temp. range 0~500°C

Power breaking capacity AC100V 14.5A Single phase TS101 AC100V 30A / AC200V 30A Single phase, AC200V 3-phase 30A TS310

Prevent overheat during operation beforehand. The device reliably shuts off unit power.

- Simply connect this product to your constant temperature oven or constant temperature water tank to prevent overheat.
- A sheath sensor with temperature sensing part of 2m in length is available in addition to the standard sensor with temperature sensing part of 200mm and you can set it at variety of places including an oven (optional).
- The product employs a dual monitor system allowing monitoring the heat prevention sensor temperature in addition to the overheat prevention set temperature.
- If an abnormality occurs, the product shuts down the target unit and inform the user with error indication and audible buzzer sound.
- Useful key lock function is available to enable locking the set temperature.

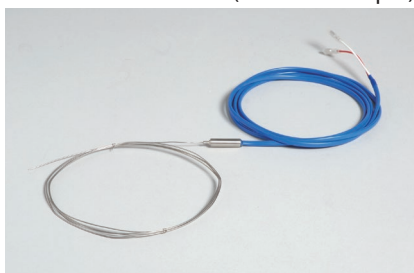


TS101

TS310

Additional sensor

(K thermocouple)



Product code	583780
Model	OTS10

Specifications

Product code	583719	583720
Model	TS101	TS310
Operating temp. range	0°C to 500°C (Ambient temperature range is 5°C to 35°C)	
Temp. display range	-200°C to 1300°C	
Temp. detection accuracy	±1°C	
Power breaking capacity (50/60Hz)	AC100V 14.5A Single phase	AC100V 30A/AC200V 30A Single phase, AC200V Three phase 30A
Temp. setting system	Digital setting with up/down keys	
Temp. display system	Digital display for sensor and set temperatures	
Recovery system after detecting overheat	Manual (Turn POWER switch ON after returning to normal from overheating condition.)	
Overheat temp. detection	Shutting off power of the target device/alarm with a buzzer alternately displays Er07 and the sensor detection temperature on the measured temperature display	
Temp. sensor/Temp. sensor protective tube	Sheath type K thermocouple/3.2 mm dia x length of 200mm (encapsulated in a SUS316 protective tube)	
Alarm output	a-contact 250V 3A	
Connecting system of target device	3P power outlet	Connection terminal block for 4P(3P) power cord*
Safety device	Internal fuse & self diagnostic function (abnormal input temperature/memory error)	
Exterior/Interior	Chrome free electro galvanized copper plate, chemical proof baking finish, stainless steel plate	
External dimensions	W150×D210×H155mm	
Weight	Approx. 3.5kg	
Power (50/60Hz)	AC115V/AC220V Single phase with step-down transformer	
Accessories	Sheath type K thermocouple (soaked part: 200 mm) ×1, Main unit securing clamp×1	

* Prepare the external power supply cable for TS310 separately according to the power supply capacity and power supply type of the target device. The length of the power cord is about 2m outside the unit. External dimensions do not include projections.