



# Temp. Controllers & Heaters

## Digital Temperature Controllers

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



CE authentication: (LDV: D/N EN61010-1

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Part No.	Product No.	Description	Output term	Voltage
46636	PPID-96-203000	Digital Temperature Controllers	SSR	AC85-265V/8VA MAX



SDC10

The SDC10 is a group multi-range digital indicating controller with self-tuning (adaptive control).

A compact instrument (48W x 48H mm) featuring PID control, it can either be panel or socket mounted and the control outputs are either relay contact or voltage operated.

- Memory backup: Semiconductor non-volatile memory
- Power supply voltage: 85 to 264Vac, 50/60Hz and 24Vdc
- Power consumption: 7VA max.
- Ambient temperature: 0 to 50°C
- Ambient humidity: 10 to 90% RH (no condensation allowed)
- Weight: Socket type: approx. 300g, Mounting bracket type: approx. 200g
- PV Input Type: Thermocouple, RTD, Voltage
- Control Output Control mode: Direct/reverse selectable
- Control action: Selectable by RDY key or remote switch input

Part No.	Product No.	Manufacturer	Description	Output term	Voltage	Ctrl Temp. Rang_°C	Thermoscope
18117	SDC10	Yamatake	-Digital indicating controller	SPST RELAY	85 to 264V	0 to 50°C	K, J, E, T, R, DIN U, DIN L type



SDC30

The SDC30 is a compact (48mm x 96mm) digital indicating controller offering standard PID control, advanced neural/fuzzy PID, multi-range inputs including thermocouple, resistance temperature detector (RTD), DC voltage and DC current inputs.

Remote switch input, control parameters and local set points can be set using the smart handy loader (SHL100).

### SPECIFICATION:

- Memory backup: Semiconductor non-volatile memory
- Power supply voltage: 85 to 265Vac, 50/60Hz, or 24Vdc  $\pm$  5%
- Power consumption: 18VA max.
- Ambient temperature: 0 to 50°C
- Ambient humidity: 10 to 90%RH (no condensation allowed)
- Weight: Approx. 400g
- PV Input Type: Multirange: Thermocouple, RTD, DC voltage/current
- Indication & Setting: PV, SP indication: 4-digit, 7-segment LED  
Setting method: Local setting (standard), Remote setting (optional, remote/local changeable)
- Control Output: No. of PID sets: 8  
PID auto-tuning: Automatic setting of PID value by limit cycle method and neural/fuzzy/smart method  
Control action: Direct/reverse selectable

Part No.	Product No.	Manufacturer	Description	Output term	Voltage	Ctrl Temp. Rang_°C	Thermoscope
20479	SDC31	Yamatake	Digital Indicating Controller	relay	100-240Vac	0-260°C	RTD



- Method of setting: D=Digital switch  
A=Trimmer
- Method of display: A=Analog deviation meter  
D=Digital LED Display  
N=Without display
- Type of sensor: PT=PTD PT-100Ω  
J=J Type thermocouple  
Non=K type thermocouple
- Method of output: R=Relay (5A/250VAC)  
V=Voltage (20mA/12V)  
L=Linear (4~20mA)
- Method of control: S=ON/OFF  
Non=P+D ON/OFF

Part No.	Product No.	Manufacturer	Description	Output term	Voltage	Ctrl Temp. Rang_°C	Thermoscope
32152	TC-48-DD-R3-S	FOTEK	Digital LED Temperature Controllers 48*48	RELAY	220VAC	0-399°C	K-TYPE
44886	TC-4896-DA-R3	FOTEK	Digital LED Temperature Controllers	220VAC	220VAC	0-399°C	K-TYPE E



LED Analog Temperature Controllers 48\*48

Part No.	Product No.	Manufacturer	Description	Output term	Voltage	Ctrl Temp. Rang_°C	Thermoscope
26996	TP-48K-220VAC-K	CHROMALOCK	LED Analog Temperature Controllers 48*48	VDC	220VAC	0-399°C	K-TYPE E

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## Centenary Materials

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