DIGITAL TEMPERATURE CONTROLLER

In stock | RoHS2 Compliance | Made in Japan

monoOne+

monoOne Plus Series

Compatible with 100V and 200V

New

monoOne+Ao

monoOne plus Ao

- Includes Sensor – Ready to Use.
- Clear Temperature Display with Dual Screens.
- Error Alerts for Safe and Easy Use.

Additional Features

Detects and alerts sudden temperature drops.
Alerts unusual temperature increase.

SIAA ISO 22196 Anti Bacteria JP012465X0001G

SIAA ISO 21702 Anti Virus JP0613468X0001K

SIAA Anti Fungus JP0513465X0001J

Handy type

THREE HIGH
CO.,LTD. SINC 1990

monoOne+Ao

monoOne plus Ao

Includes Temperature Sensor for Immediate Use. Antibacterial, Antiviral, and Mold-Resistant for Hygiene

SIAA ISO 22196 Anti Bacteria JP012465X0001G

SIAA ISO 21702 Anti Virus JP0613468X0001K

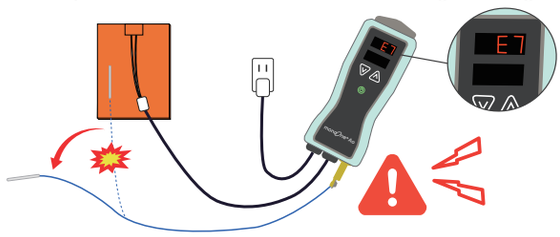
SIAA Anti Fungus JP0513465X0001J

The included thermocouple is not antibacterial

Additional Feature 1 Measured temperature processing detection

Error and Output Shutdown if Temperature Drops Too Much After Reaching Set Point

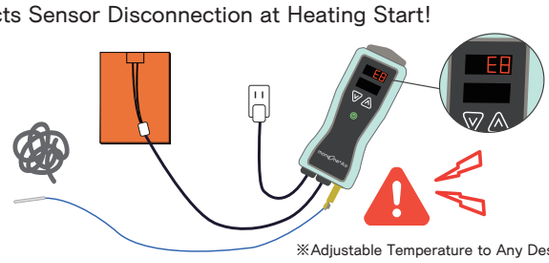
Detects Unexpected Sensor Disconnection During Heating!



Additional Feature 2 Measured Temperature rise error detection

Error and Output Shutdown if Temperature Does Not Reach Set Point After Time Elapsed

Detects Sensor Disconnection at Heating Start!



※Adjustable Temperature to Any Desired Setting

Includes all the essential features of the monoOne series.

1. Made in Japan
2. Reliable and Safe
3. Ready to Use Right Out of the Box
4. Wide Display Range
5. Interchangeable Sensors
6. Simultaneous Display of Set and Measured Temperature
7. Alarm (Error) Warning Function
8. Short Circuit Protection
9. Overtemperature Protection
10. DIN Rail Compatibility
11. RoHS2 Compliant
12. Celsius/Fahrenheit Switching

Product specifications

Product name	monoOne+Ao (monoOneplus ao)
Model	mpa20
Color	iceblue
Power supply voltage	AC 85V ～ 250V (single phase) 50 ／ 60Hz
Output rating	0.1A ～ 15A(resistive loading)
Input	Thermocouple (K)
Output format	Relay
Control method	ON/OFF control
Display range	-199 ～ 999℃
Indication accuracy	±2℃(－199℃～700℃) ±4℃(+700℃～+999℃)
Sampling cycle	0.1 second
Memorizing the setup values	EEPROM
Short circuit protection	built-in fuse (cannot be exchanged by the user)
Other functions	Error display/Sensor error detection/Overheat prevention setting/Relay-welding detection/High-frequency relay switching detection/Relay switch count onitoring/ Measured temperature processing detection/Measured temperature rise error detection
Electric energy consumption	4VA or less
Operable temperature range	Temperature:-10 to 40℃, Humidity: 10 to 85% RH(non-condensing)
Withstand voltage	AC1500V per minute (both power supply and output)
Noise Resistance	Pulse width 50ns, 1500V at 1000ns
Dimensions/weight	165 (vertical) × 70 (horizontal) × 35 (depth) mm* Approx. 600g excluding protrusions and mounting brackets
Installation	Wall-mounting/DIN Rail (Optional)
Included sensor	Thermocouple(K) ϕ3.2×100 L Includes male connector with 2m lead wire ※ Please contact us when used at 260℃ or higher.
Power supply cable length	Power supply side: 1m (with 100V male outlet plug) Heater side: 1m (with 100V female outlet plug)

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Certification is available only at the head office.

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