

TAKE CONTROL OF YOUR BURNOUT PROCESS WITH THE



PROGRAMMABLE TEMPERATURE CONTROLLER



Control your burnout program precisely and reliably with a Memco Programmable Temperature Controller. A superior level of engineering characterizes all Memco products. Proven by many years of service in the jewelry industry, Memco controllers offer features and prices that are without equal.

The exclusive Memco controller constantly monitors the thermal characteristics of any oven and automatically adjusts its program for optimum control. This unique system provides gradual temperature changes without overshoot and minimizes thermal shock to delicate invested flasks. Manual adjustments are completely eliminated.

The Memco controller is offered in 1 program and 4 program models. This enables the user to enter 4 different furnace programs (ramp rates and times, hold times, furnace start times) based on user needs or the type of flasks and investment used. These programs are stored in the controller and can be recalled at any time eliminating the need for reprogramming of the controller. Memco controllers are also covered by our Three Year Warranty.

The ease of installation and simplicity of operation make the Memco Controller unique.

FEATURES:

- Automatically adapts to the exact thermal characteristics of any oven, gas or electric. No manual adjustments or calibration required.
- Accuracy guaranteed at any temperature. More than twice as accurate as inferior imitations
- Smooth, gradual temperature ramps minimize thermal shock to yield flawless investment burnout.
- Simplified programming. Large durable keyboard for easy entries. Store programs in nonvolatile memory. One touch operation.
- Plug-in installation - complete with thermocouple and all wiring.
- Heavy duty solid state power control - no relays to wear out.
- Delayed start up to 100 hours - no additional timers required.
- Displays temperature in either °F or °C.
- Batter backup for power failure. Power interruption does not reset program cycle.
- Standard safety features include thermocouple break monitor, short circuit protection, UL recognized components
- Three Year Warranty

SPECIFICATIONS:

Pyrometer Accuracy:

Model 14-406(1, 2, 3 or 4): 10°F (6°C)

Model 14-407(1, 2, 3 or 4): 4°F (2°C)

Pyrometer Resolution: 1°

Stored Programs:

Model 14-406(1, 2, 3 or 4): 1

Model 14-407(1, 2, 3 or 4): 4

Program Steps: 8

Step Duration: .1 to 99.9 Hours

Program Storage: Nonvolatile Memory

Sensor: Type K Thermocouple

Sensor Break Protection: Upscale

Temperature Control Range:

32 - 2040°F (0 - 1115°C)

Ramp Rate: 32 - 999°F / Hour (0 - 999°C / Hour)

Minimum Cycle Time:

3, 15, 45 seconds (selectable)

Temperature Scales: °F or °C (selectable)

Display: .5 in. (1.25 cm) high LCD

Ambient Temperature Range:

32 to 131°F (0 - 55°C)

Permissible Voltage Variation: 15%

Dimensions:

12W x 6H x 3D in. (30W x 15H x 8D cm)

Weight:

Net: 5 lbs. (2 Kg)

Ship: 7 lbs. (3 Kg)



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