MT-24

MT CONNECTOR CURING OVEN

INSTRUCTION MANUAL

NANOMETER TECHNOLOGIES

MT-24
CONNECTOR CURING OVEN
INSTRUCTION MANUAL

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Please address any questions, comments and suggestions to:

NANOMETER TECHNOLOGIES INC
2501 GOLDEN HILL RD
PASO ROBLES, CA 93446

Tel: (805) 226-7332
Fax: (805) 226-8753

 www.nanometer.com

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AL1

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AT

PV

SV

AUBER   SWA

Set Button   **Selection Button**   **Down Arrow Button**   **Up Arrow Button**

(1)

Power Button

Plug Power Cord into the MT-24.

Use the Power Button to turn on MT-24

Power Cord

PV

OUT

AL1

AL2

SV

AT

SET

AUBER

SWA
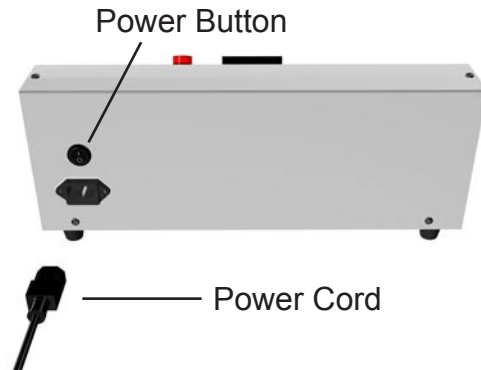
To adjust the Temperature setting, begin by holding down the **UP ARROW BUTTON** for 3 seconds.

Up Arrow Button

PV

OUT

AL1

AL2

SV

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SET

AUBER

SWA

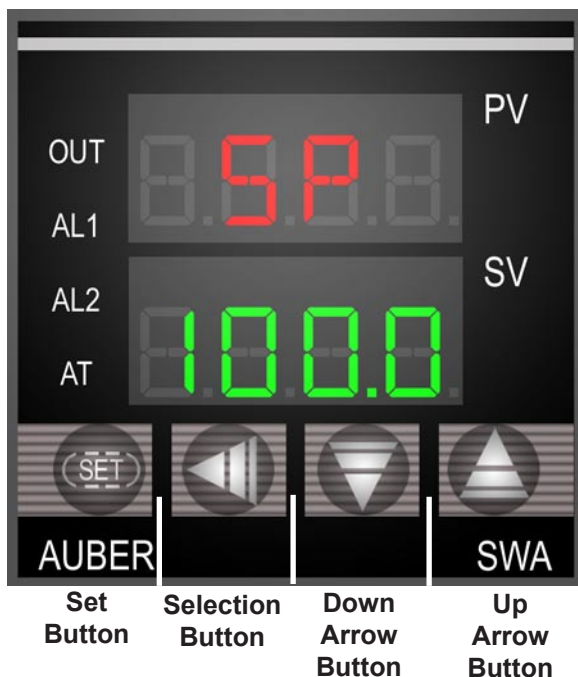| Set Button	Selection Button	Down Arrow Button	Up Arrow Button

The Temperature Settings is indicated by the '**SP**' writing on upper LCD panel.

Use the **UP/DOWN Arrows** to adjust the temperature. Press the **Selection Button** to move left to the next numerical value *(The current selection is highlighted by the blinking decimal in the lower right corner fo the number)*. The **Selection Button** can be used to cycle through the different numerical values. The MT-24 uses 'Degrees' or F for temperature settings.

After the required temperature has been entered, use the **SET Button** to save and return to the main screen.

NOTE:
It is important to set the temperature first and let the Connector Block heat to required temperature before adding connectors to the MT-24. This will prevent the connectors from curing improperly.
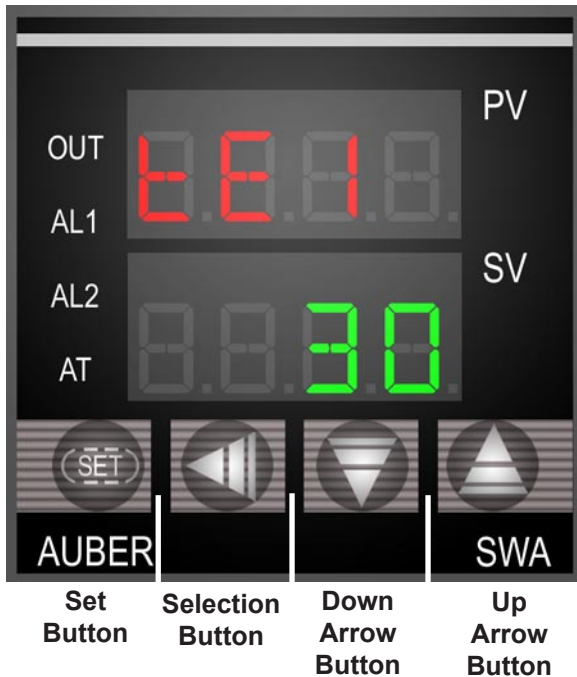
(2)

From the Main Screen, press the DOWN ARROW BUTTON to enter the Timer Settings.

Down Arrow Button

| Set Button | Selection Button | Down Arrow Button | Up Arrow Button |

The Timer Settings is indicated by the '**tE 1**' writing on upper LCD panel.

Use the **UP/DOWN Arrows** to adjust Numerical Values. Numerical values for the Timer settings are represented as seconds.

Press the **Selection Button** to move left to the next number. (Selected numbers are highlighted by the blinking decimal)

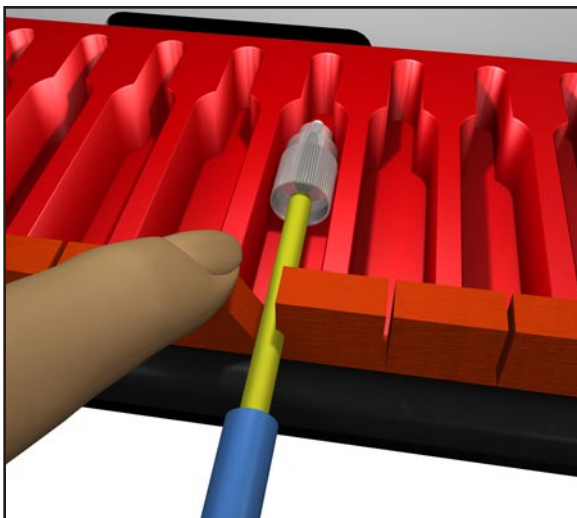The **Selection Button** can be used to cycle through the different numbers.
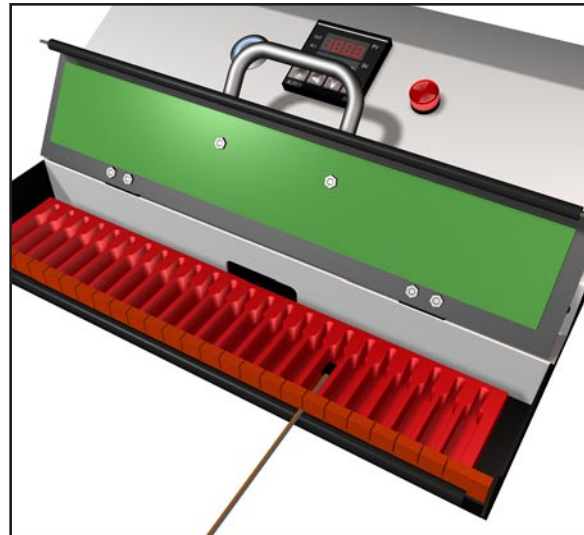
After the required time has been entered, use the **SET Button** to save and exit.

NOTE:
The Display will reset to it's original state in 10 seconds if no selections are being made.
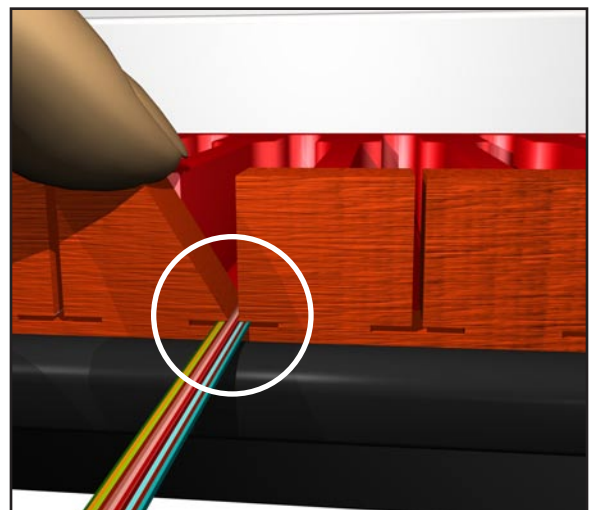
Once the oven has reached the desired temperature, open the lid and begin placing the connectors into the **Heating Block.**
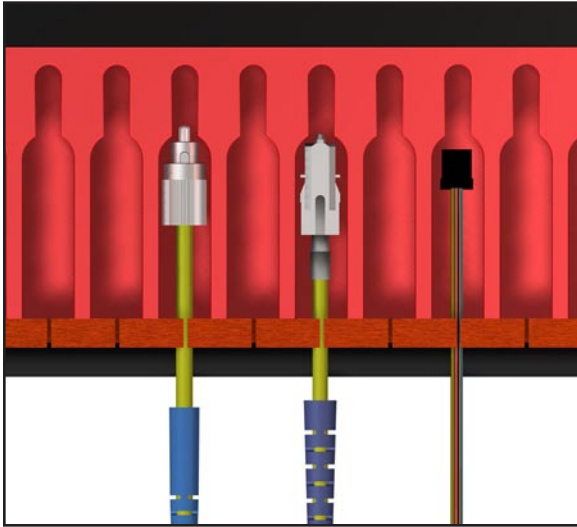
Separate the foam and place the connector into the slot.

The slots in the foam are T-shaped. When insering MT connectors, carefully press the fiber ribbon to the bottom of the slot. The Fiber Ribbon should sit flat on the bottom of the slot.

To ensure proper epoxy curing, make sure the connectors are resting in the positions shown. Connectors with Ferrule Tips should be resting with the Ferrules sitting in the narrow section of the Heating Block.
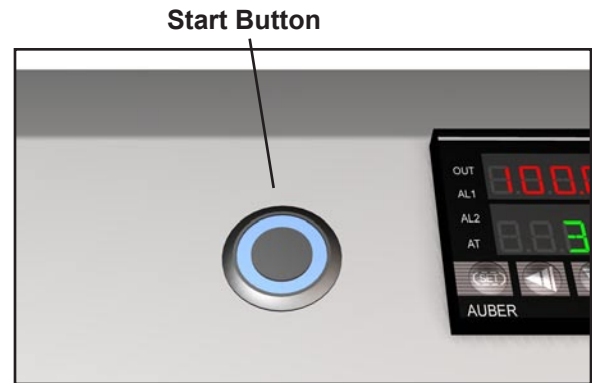
Carefully close the lid when all connectors have been properly placed into the Heating Block.

STEP 5 — Start Oven Timer

Start Button
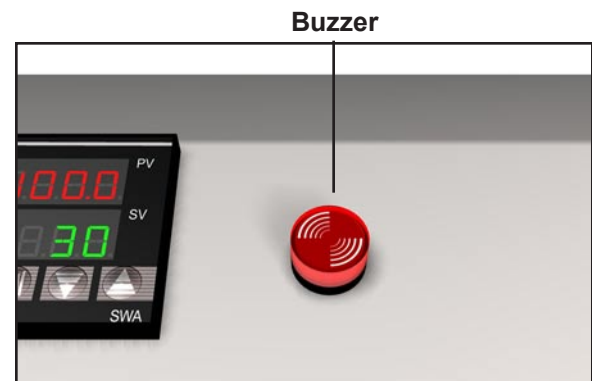

Press the **Start Button** to start the **Timer**. The Blue light will shut off while the Timer is running.

The Timer will begin to countdown to zero.

Buzzer

When the Timer has completed, the **Buzzer** indicator will emit a light and a loud buzzing sound.

STEP 6 — Remove Connectors from Oven

Carefully remove connectors from oven.
Let connectors cool down before inspection.

AutoTune — Auto Calibrating MT-24

In the event the MT-24 Temperature Setting loses it's calibration, the controller has to be re-calibrated. This is called **AutoTune**. To access the **AutoTune** function, hold down the **SET Button** for 3 seconds to enter the Menu List. Repeat pressing the **SET Button** until the '**At**' option appears.
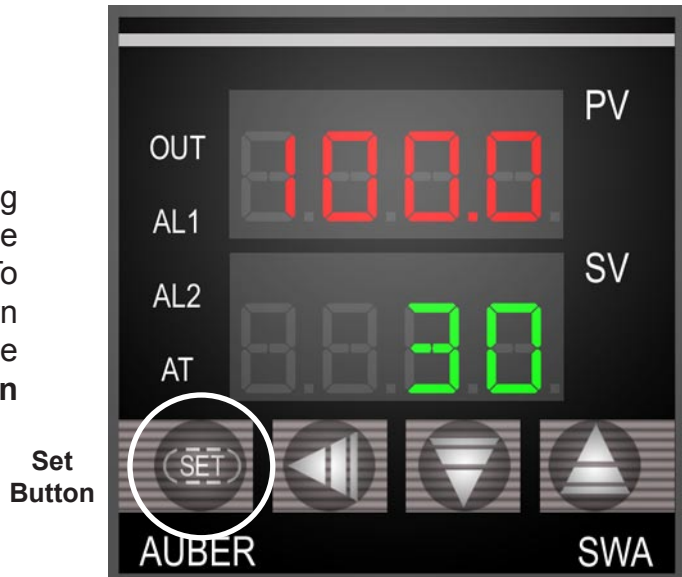
Set Button

To begin the AutoTune process, press the UP ARROW Button.

Up Arrow Button

The **AT Light** will turn on while the **AutoTune** is running. When the **AutoTune** cycle is complete, the **AT Light** will turn off. Repeatedly press the **SET Button** to return to the main controller screen (ie. shows temperature and timer)

AutoTune Light

Set Button
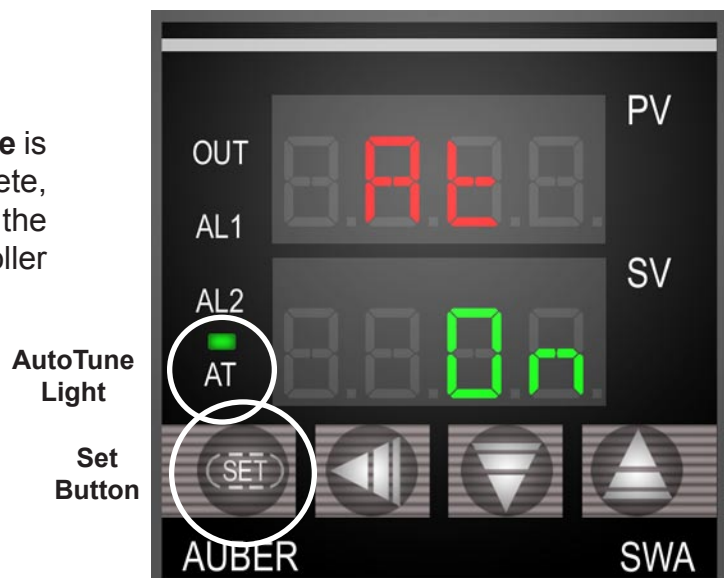
MT-24 Specifications:

Size: 13"W x 9.5"D x 5"T
Weight: 6lbs
Temperature Accuracy: 0.5%
Temperature Stability: +/- 1%

Works with these Connectors:

Most 2.5 Ferrule Connectors including:
    FC, SC, FC/APC, SC/APC, ST Mil-Spec, SMA, etc.

1.25 Ferrule Connectors:
    LC

Small Ribbon Connectors:
    MT, MT/RJ

Limited Warranty

Nanometer Technologies products shall be free of defects in material and workmanship for a period of 1 year from the date of purchase.

In the event of a defect in materials or workmanship, we will either replace or repair without charge (not including shipping costs) at our option any part which in our judgment shows evidence of such defect within 1 year (90 days for fixture plates) from the date of purchase. **This warranty does not apply to misuse, abuse, tampered, or altered items.** At the end of the warranty period Nanometer Technologies shall be under no further obligation expressed or implied. This warranty is in lieu of any other warranty, under no circumstances will Nanometer Technologies be liable for any loss, damage, expense or consequential damages of any kind arising in connection with the use or inability to use Nanometer Technologies products.

Warranty will be voided if tamper seals are broken on any product or unit is opened by any person not authorized by Nanometer Technologies without prior permission.

NOTES:

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