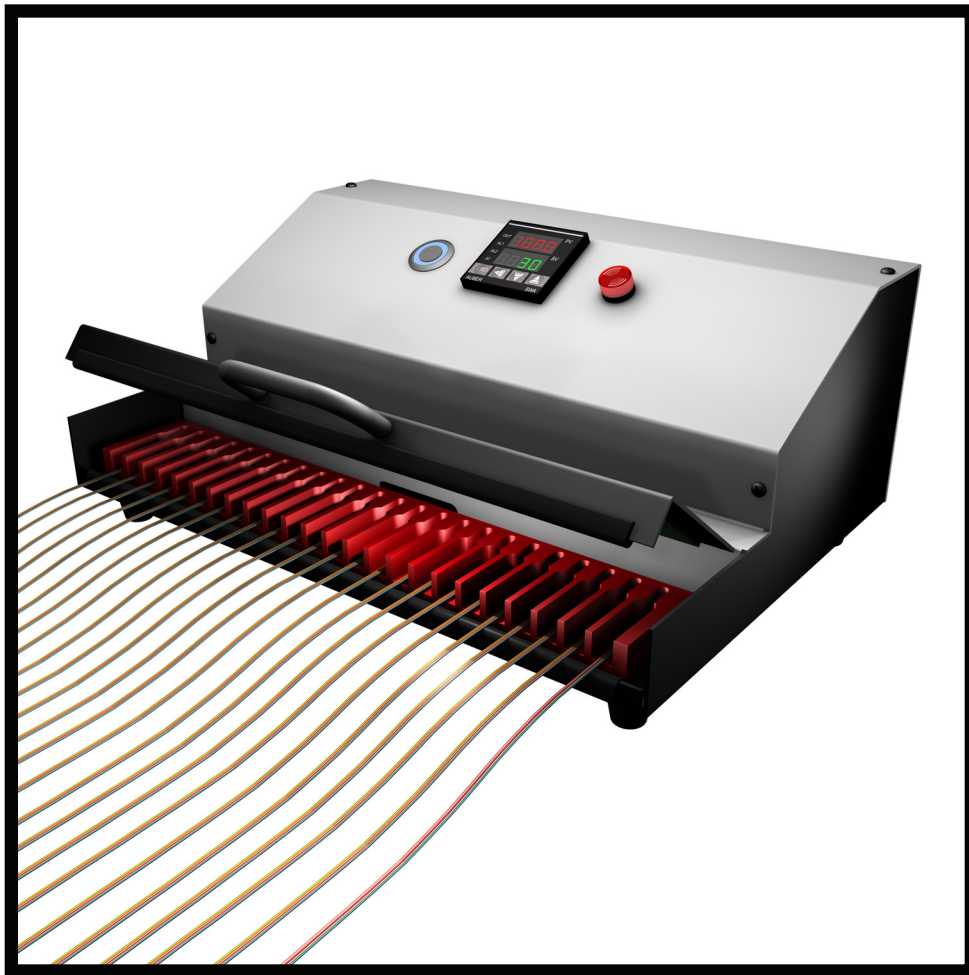# MT-24

MT CONNECTOR CURING OVEN
INSTRUCTION MANUAL

NANOMETER TECHNOLOGIES

MT-24
CONNECTOR CURING OVEN
INSTRUCTION MANUAL

Document Number   RE:MT-24-CCN-01

Please address any questions, comments and suggestions to:

September 6th, 2013

TABLE OF CONTENTS

MT-24 DIAGRAM LAYOUT

Start Button   Timer   Buzzer

Heating Block

Power Button

Power Plug

OUT

AL1

AL2

AT

PV   **Temperature**

SV

Timer

AUBER   SWA

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

(1)

STEP 1 — Turning on MT-24

Power Button

Plug Power Cord into the MT-24.

Use the Power Button to turn on MT-24

Power Cord
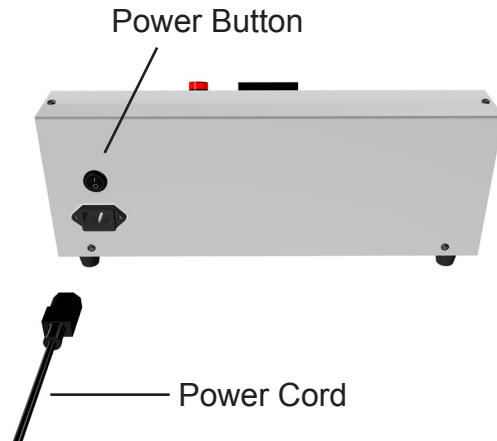
STEP 2 — Setting Temperature

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

OUT
AL1
AL2
AT

PV
SV

AUBER

SWA

Up Arrow Button

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

Use the UP/DOWN arrows to set the temperature desired ,(the selection button will move the decimal point left) **the temperature is set in Degrees C.**

OUT
AL1
AL2
AT

PV
SV

AUBER

SWA

Set Button   **Selection Button**   **Down Arrow Button**   **Up Arrow Button**
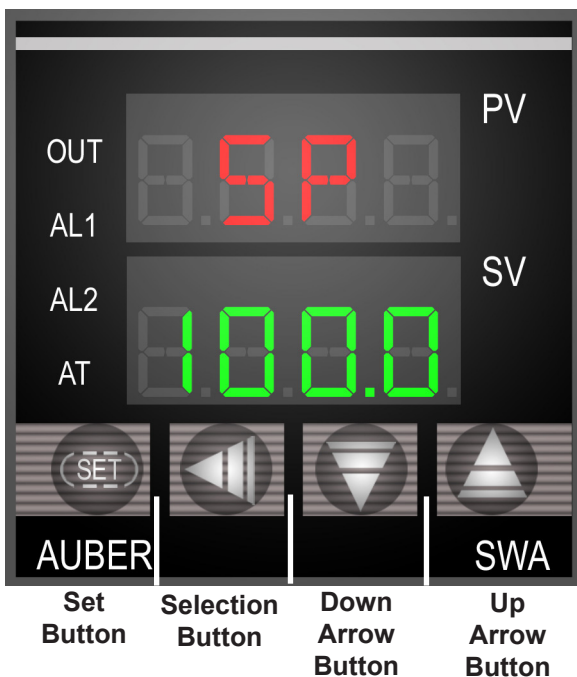
After the required temperature has been entered, use the **SET Button** to save and return to the main screen.
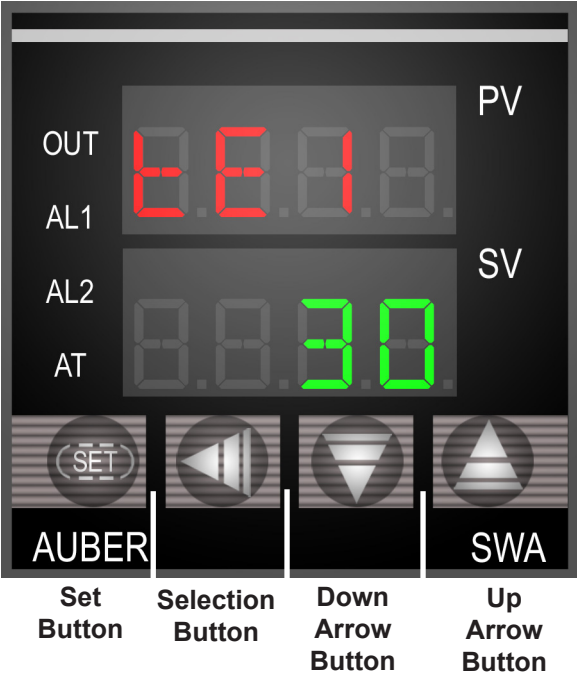
NOTE:
It is important to set the temperature first and let the Connector Block heat to required temperature before adding connectors to the MT-24. This will prevent the connectors from curing improperly.

(2)

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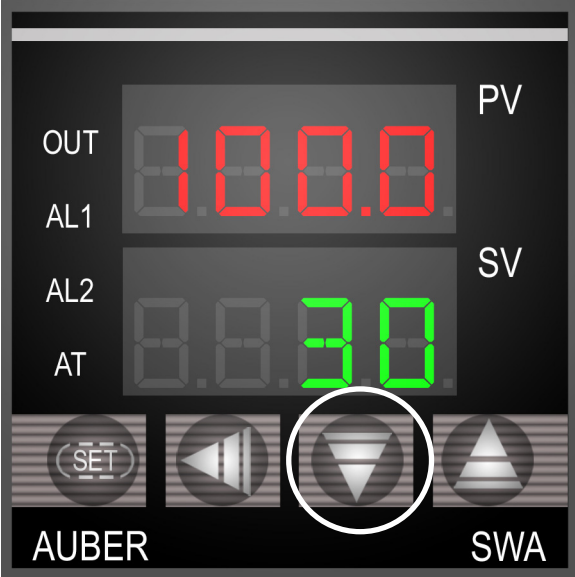
Down Arrow Button

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.

The selection button moves the decimal point , press the set button 4 times to return to normal operation. OR the display will reset to its original state after 10 seconds.

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

Once the oven has reached the desired temperature, open the lid and begin placing the connectors into the **Heating Block.**
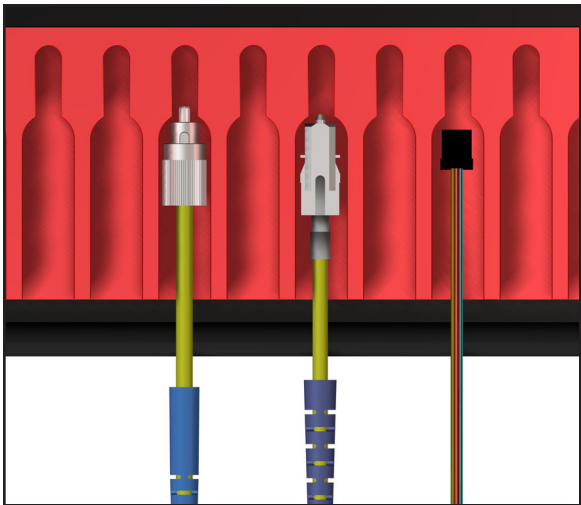
To ensure proper epoxy curing, make sure the connectors are resting in the positions shown. Connectors with Ferrule Tips should be resting with the Ferrules sitting in the narrow section of the Heating Block.

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.
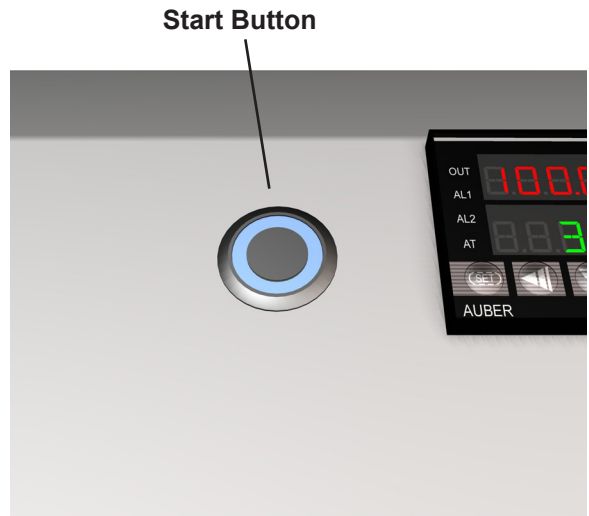
The Timer will begin to countdown to zero.

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

Buzzer

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

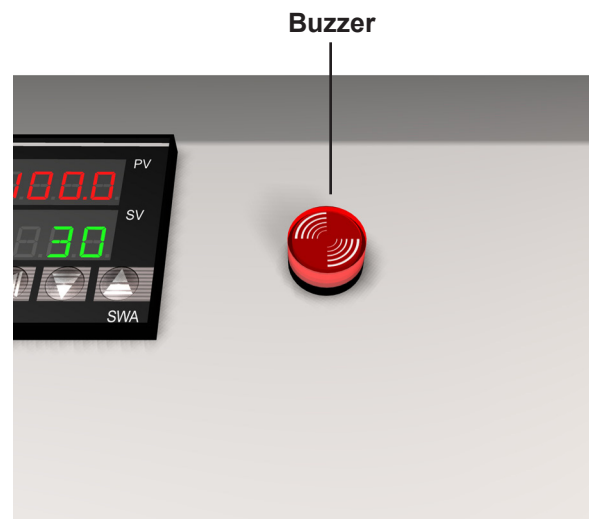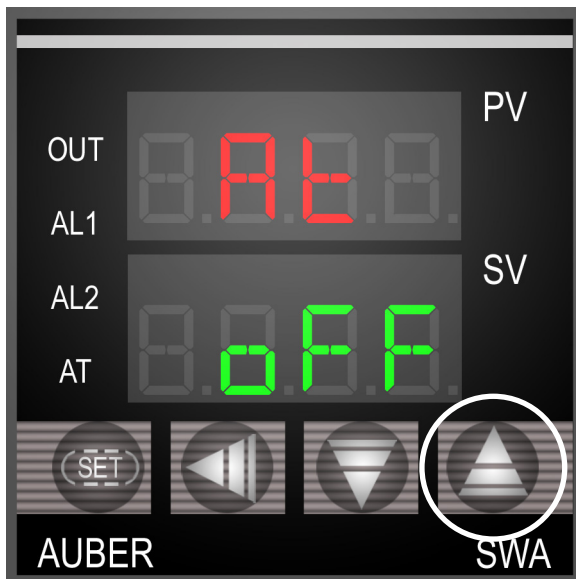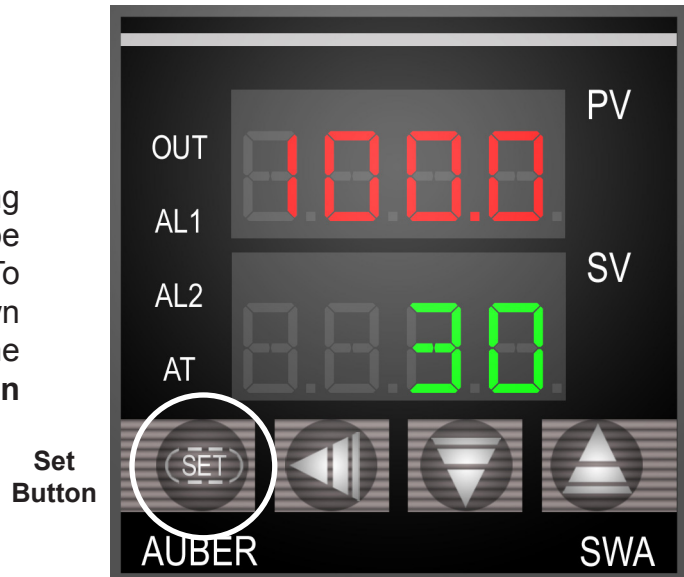## AutoTune — Auto Calibrating MT-24

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

(7)
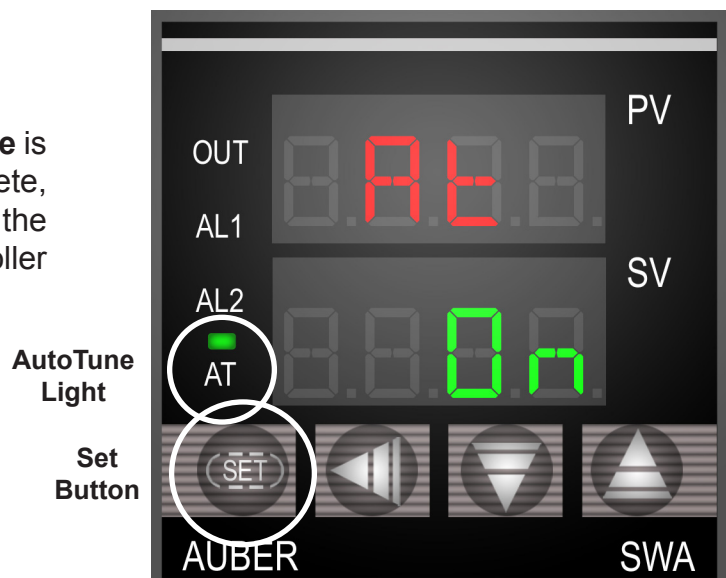
MT-24 Specifications:

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.

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