

Quick Guide for Tempmaster™ Water Flow Monitor (WFM)

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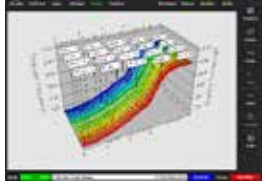
Operate the Controller

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Main Screens and Menus

<p>Display Screen</p> 	<p>Functions:</p> <p>Monitor and Information: observe zone condition</p> <p>Control: side command buttons change from page to page</p> <p>Navigation: tabs allow the user to switch between the different pages</p>
<p>ToolStore Screen</p> 	<p>Description:</p> <p>List of tools with names and saved settings.</p>
<p>Apps Screen</p> 	<p>Gives access to other pages:</p> <ul style="list-style-type: none"> • Testing • Export • Pictures • Actions • Alarms • Remote • Energy • Purge Wizard • Smart Mold
<p>Settings Screen</p> 	<p>Description:</p> <p>Gives access to tool and system settings.</p>
<p>Graph Screen</p> 	<p>Description:</p> <p>Displays graphs of temperature or power versus time for up to 20 zones.</p>

Configure the Controller

Create a New Tool

1. Choose [ToolStore].
2. Choose an empty tool slot then choose [Detect].
3. Enter the password if required.
4. Enter a tool name.

Configure a Water Flow Zone

1. Choose [Settings].
2. Choose a zone from the Type column.
3. Choose [Set].
4. Choose a zone type.
5. Change header color if required.
6. Choose [OK] to accept the changes.

Note: refer to the M2+ or the M3 quick guide if your tool also has temperature control zones.

Configure Tool Parameters Zone By Zone

1. Choose [Settings].
2. Choose the zone or zones to be configured and choose the column of the required parameter.
3. Choose [Set] and enter password if required.
4. Set the required value.
5. Repeat steps 2 through 5 for each parameter that requires adjustment.

Note: see user manual for a list and descriptions of tool parameters.

Configure Tool/System Settings

1. Choose [Settings] and then choose [Config].
2. Enter the password if required.
3. Choose [Tool Config] from Tool Settings or [System Config] from System Settings.
4. Choose the required setting and enter the required value or option.
5. Choose [OK] to accept the value.

Important: to save any setting change permanently, save it to the ToolStore.

Save a Tool/Settings to the ToolStore

1. Choose the ToolStore page.
2. Choose the required tool.
3. Choose **[Save]**.

Configure the Delta-T Values for Flow Zones

1. Select cavity zones 1–4 for a 4-port manifold, 1–8 for an 8-port manifold, or 1–12 for a 12-port manifold.
2. Choose **[Set]**, and enter the password if required.
3. Choose **[Cavity Zone]**.
4. Choose "Inlet 1".
5. Press **[OK]**.

Set the Reynolds Number

1. Choose **[Settings]**.
2. Choose the flow zone to be configured.
3. Choose **[Set]**, and enter the password if required.
4. Choose **[Cavity Zone]**.
5. Choose the corresponding cavity zone for the flow zone.
6. Press **[OK]**.
7. Repeat the previous steps for each flow zone in use.

Set the Reynolds Alarm

1. Choose **[Settings]**.
2. Choose the flow zones to be configured.
3. Choose **[Set]**, and enter the password if required.
4. Select **[Reynolds Alarm]**.
5. Enter a value.
6. Press **[OK]**.

Set the Pipe Diameter

1. Choose **[Settings]**.
2. Choose the flow zone to be configured.
3. Choose **[Set]**, and enter the password if required.
4. Choose **[Pipe Diameter(inches)]**.
5. Enter the diameter for the selected flow zone.
6. Press **[OK]**.
7. Repeat the previous steps for each flow zone.

Set the Flow Rate

1. Choose **[Display]**.
2. Choose the zone(s).
3. Choose **[Set]**, and enter the password if required.
4. Enter the flow rate.
5. Choose **[Enter]** to accept the new rate.

Operate the Controller

Startup

1. Use the main switch to energize the cabinet.

Once the display screen is on, you have two options:

- If console startup is set to **Stop**, then the tool remains at zero power, and it does not heat up.
- If the console startup is set to **Startup**, **Standby** or **Run**, the controller applies power to the temperature control zones so that they heat up.

Refer to the M2+ or the M3 quick guide for information on how to operate temperature zones.

Note: water flow monitoring zones function even in Stop mode.

Load Tool Settings

1. Choose the required tool and choose **[Load]**.
2. Choose **[OK]**.

Note: if the controller is in Run mode and a tool with a different temperature setting is loaded, the tool will immediately change to run at the new temperature setting.

Check Zone Performance

The Graph screen shows graphs of temperature versus time or power versus time for up to 20 zones.

1. Choose **[Graph]** to open the Graph screen.
2. Choose **[Timeline]** to show history of operation for the tool.
3. Choose **[Power]** to show power on the bottom axis of the graph.
4. Choose **[Temp]** to show temperature on the bottom axis of the graph.
5. Choose **[Scale]** to choose the required time interval. Options include: 5 minutes, 30 minutes, or 24 hours.
6. Choose **[▲]** or **[▼]** to move up or down through the zones.

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