32-71/91 LabMaster® Slip and Friction Quick Start Guide

FINDING HOME

Each time you start the LabMaster® software, the machine will initiate a home sequence. Ensure that the platen of the machine is clear and that any sleds are removed from the pulling arm. Press the [Start] button to allow the machine to find its zero position and end limit. The elevator will also cycle (if equipped).

TESTWIZARD

- Test parameters can be altered in the Setup menu by following the step-by-step wizard.
- On the Database screen, you must select or create a database to store your test data in. It is recommended to create a separate database for each test method, and also to archive old databases and replace them with new databases monthly or quarterly.
- The calculations you wish to use as test results (min, max, average, etc.) should be added from the list on the Calculations screen.
- Test data can be exported to a comma-separated file by creating a Data Export Template to specify which calculations to export.
- You can also specify custom fields that will be added to the export file at the time the test is run by configuring a Data Entry Template. (ex. Date, Time, Operator ID, Sample ID, etc.)

RUNNING A TEST

The Run Tests screen will allow you to not only start tests and view the results, but also navigate through previous test results, and view the associated data. It is also used to enter information into the Data Entry Template, print or export test results, and change the way test data is analyzed and viewed.

STANDARDS & SETTINGS

The following are standard tests:

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Standard</th>
<th>Test Length</th>
<th>Duration</th>
<th>Pre-Test Delay</th>
<th>Test Speed (S)</th>
<th>Test Speed (K)</th>
<th>Sled Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper, Paperboard, and Fiberboard</td>
<td>TAPPI T549</td>
<td>13 cm</td>
<td>200 ms</td>
<td>5 sec</td>
<td>15.24 cm/min</td>
<td>15.24 cm/min</td>
<td>200g</td>
</tr>
<tr>
<td></td>
<td>TAPPI T816</td>
<td>6.5 cm</td>
<td>200 ms</td>
<td>5 sec</td>
<td>15.24 cm/min</td>
<td>15.24 cm/min</td>
<td>1360g</td>
</tr>
<tr>
<td></td>
<td>ASTM D4521</td>
<td>6.5 cm</td>
<td>200 ms</td>
<td>5 sec</td>
<td>15.24 cm/min</td>
<td>15.24 cm/min</td>
<td>1360g</td>
</tr>
<tr>
<td>Plastic Film and Sheeting</td>
<td>ASTM D1894</td>
<td>13 cm</td>
<td>200 ms</td>
<td>5 sec</td>
<td>15.24 cm/min</td>
<td>15.24 cm/min</td>
<td>200g</td>
</tr>
</tbody>
</table>

- **Test Length**: the distance traveled by the sled
- **Duration**: the time to reach static speed
- **Pre-Test Delay**: the time between lowering the sled (if elevator is equipped) and start of movement
- **Test Speed (Static)**: the rate at which the sleds ramps up to the start of movement
- **Test Speed (Kinetic)**: the speed for the remainder of the test

ADJUSTING THE HEATER (IF EQUIPPED)

The heater temperature can be adjusted by pressing the up and down arrow buttons on the temperature controller. To begin heating, press the rocker switch on the front of the machine so that the red portion is visible.

See reverse for Quick Installation instructions >>

**EMERGENCY STOP BUTTON**

Press at any time to stop movement (current test run will be aborted). To release, twist clockwise (must be released before testing resumes).
LEVELING PADS
- Attach the four leveling pads to the bottom of the machine and adjust them to ensure that the unit is level.
- Unpack the monitor and place it on top of the machine.

CONNECTIONS

Monitor Connections:
- Plug in the USB, VGA, and power cables into the back side on the monitor

Instrument Connections:
- Plug the USB into one of the ports on the back of the instrument
- Plug the VGA cable into the VGA-DVI adaptor and plug into the back of the instrument
- Connect the keyboard to one of the USB ports on the rear of the machine

POWERING UP
Power up the LabMaster® unit in the following order:
- Touch Screen Monitor
- Slip and Friction Base Unit
- Printer, if installed