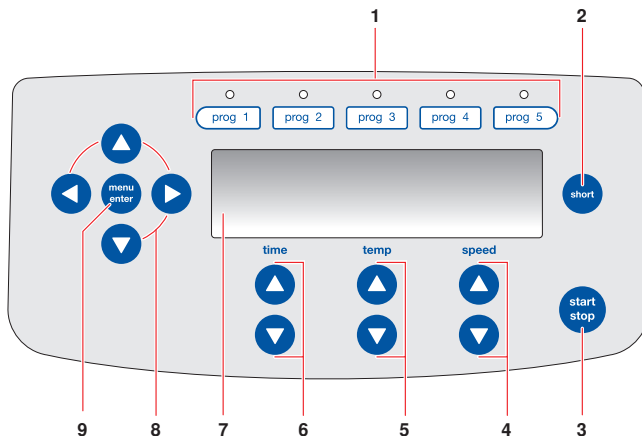


# Eppendorf ThermoMixer C – Short Instructions

## Operating controls



<p><b>1 Program keys with control LEDs</b> Press the program key: load program Keep the program key pressed for 2 s to save current parameters</p>	<p><b>2 Key short</b> Short Mix runs as long as the <b>short</b> key is pressed.</p>
<p><b>3 Key start/stop</b> Press the <b>start/stop</b> key: start or stop mixing/temperature control Keep the <b>start/stop</b> key pressed for 2 s: pause (interrupt mixing process and time counting)</p>	<p><b>4 Arrow keys speed</b> Setting the mixing frequency Keep the arrow key pressed: quick setting</p>
<p><b>5 Arrow keys temp</b> Setting the temperature Keep the arrow key pressed: quick setting. As soon as the set temperature is changed, the device begins to perform temperature control</p>	<p><b>6 Arrow keys time</b> Setting the mixing time Keep the arrow key pressed: quick setting</p>
<p><b>7 Display</b></p> <p><b>9 Key menu/enter</b> Open the menu. Confirm your selection</p>	<p><b>8 Menu arrow keys</b> Navigate in the menu: load or edit programs, set key lock, set time mode, edit settings.</p>

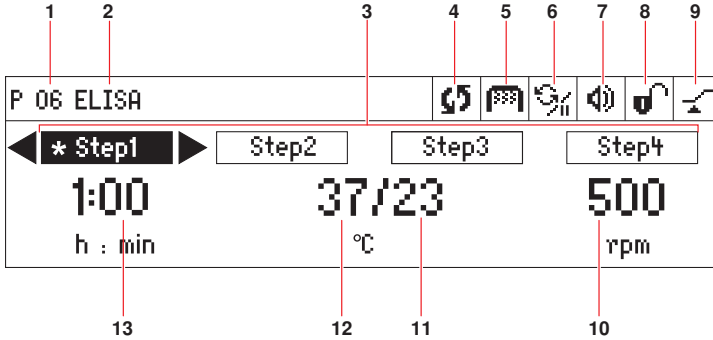
## Creating a program

<p>The screenshot shows the menu interface. At the top, it says 'P 06'. Below that are three options: 'Cancel', 'Save' (highlighted with a double arrow), and 'Options'. Underneath, there are three columns of data: '01:00' with 'h : min' below it, '37' with '°C' below it, and '1000' with 'rpm' below it.</p>	<ol style="list-style-type: none"> <li>1. Open menu.</li> <li>2. Select Program.</li> <li>3. Select empty program slot. To edit a program, select the specific program slot.</li> <li>4. Change parameters</li> <li>5. Save parameters as program.</li> </ol>
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## Loading a saved program

On delivery, the program keys (4 °C, 16 °C, 37 °C, 56 °C and 95 °C) prog 1 to prog 5 are assigned as follows: **prog 1** Cooling, **prog 2** Ligation, **prog 3** Restr. Digest, **prog 4** Prot. K Digest, **prog 5** Denaturation.

## Display ThermoMixer C



<b>1 Program number</b>	<b>2 Program name</b>
<b>3 Program levels (step 1 to step 4)</b> *: current step	<b>4 Device status</b> Device is performing mixing/temperature control. Mixing process interrupted, temperature control to be continued.
<b>5 ThermoTop</b> ThermoTop has been attached. In order to prevent the formation of any condensate in a reliable manner, the device first heats the ThermoTop until it reaches the set temperature. The tempering of the thermoblock occurs with a delay. After inserting samples into a pre-heated thermoblock, the displayed actual temperature may fall temporarily.	<b>6 Interval Mix</b> Interval Mix has been activated for the current step.
<b>7 Speaker</b> Speaker switched on. Speaker switched off.	<b>8 Key lock</b> Key lock activated: parameters cannot be changed. No key lock.
<b>9 Time mode</b> <i>Time Control</i> Time counting begins immediately. <i>Temp Control</i> Time counting begins when the set temperature has been reached.	<b>10 Mixing frequency</b>
<b>11 Actual temperature</b> When the actual temperature flashes on the display, the device does not operate.	<b>12 Set temperature</b> When the set temperature has been reached, only one value is displayed.
<b>13 Mixing time</b>	

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