Declaration of CE Compliance
This product conforms to the standards set forth in the following directives, 89/392/CEE, low voltage 73/23/CEE, electromagnetic compatibility 89/336/CEE plus modifications. In accordance with annex V, additional documentation is available upon request.

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COD Heater Block
Code 5-0069 (110-120 V / 60-50 Hz)
Code 5-0070 (220-240 V / 50-60 Hz)

IMPORTANT: READ ALL INSTRUCTIONS IN THIS MANUAL BEFORE USE OR MAINTENANCE OF THIS UNIT. THE MANUFACTURER IS NOT RESPONSIBLE FOR DAMAGE RESULTING FROM IMPROPER USE OF THIS EQUIPMENT.
Warning and Instruction labels are affixed to the unit with information regarding the potential hazards of use and maintenance. Please do not remove these labels. Replace them if they become illegible.

**WARNING – USE WITH CAUTION!**

**READ ALL INSTRUCTIONS BEFORE USE OR MAINTENANCE OF THE UNIT.**

**SAFETY RULES**

1) The heating plate may reach temperatures of up to 150°C. The green LED indicator will be lit while the unit is heating. The unit will remain hot for a period of time after use. Allow adequate time for the unit to cool before handling.

2) Containers, tubes and materials used with the COD Heater Block must be compatible with the temperature ranges of this unit.

**CLEANING**

Always unplug the unit before cleaning. The heating plate must be cool. Use a damp, nonflammable cloth and mild detergent.

**PERSONAL PROTECTION EQUIPMENT**

Use protective safety equipment appropriate for the temperature settings and materials.

**MAINTENANCE**

All repairs to the unit must be made by authorized service centers. Contact your local dealer for a list of service centers. Repairs by non-authorized service centers will void the terms of the warranty.

**WARRANTY**

The warranty period begins from the date of the purchase receipt. Each unit is registered by the serial number. The manufacturer is engaged in the continuous improvement of this product, and reserves the right to make modifications without notice.

**SAFETY DEVICES**

The heating element is equipped with a temperature-sensitive safety switch to prevent damage to the unit from overheating. The unit will automatically shut off when the temperature exceeds 170°C. Once the safety switch has been triggered, the unit will no longer operate, and must be checked and reset by an authorized service center before further use.

**Electric scheme 230V/50Hz (115V/60Hz)**

1. Connect the instrument to power source 230V/ 50Hz (115V/ 60Hz) by the cable and two pin plus ground.

2. Turn unit on by pressing the main switch (A) located on the front panel. The unit is preset to begin a heat cycle at a temperature of 148°C and a heating time setting of 120 minutes. The temperature (B) and time settings (C) are shown on the LEDs on the front panel. The heating time begins when the reactor reaches the selected temperature, indicated by the lighting of the green LED (D), located on the front panel. The unit will beep and automatically shut off when the end of the heating period is reached. The unit must be turned off at the main switch (A) before beginning a new heating cycle.

3. To adjust the temperature and heating time, turn on the unit by the main switch (A), and press the temperature (B) and heating time (C) buttons to select the required setting.

**Settings:**

<table>
<thead>
<tr>
<th>Temperature:</th>
<th>100°C or 148°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time:</td>
<td>30 minutes, 60 minutes, 120 minutes, or continuous operation at the selected temperature.</td>
</tr>
</tbody>
</table>

The settings for temperature or heating time may be changed at any point of the heating cycle.

4. The heating block is equipped with two fuses, which are enclosed in the safety plug located on rear panel. A blown fuse can be changed by removing the rear connection socket and opening the small cover using the tip of a screwdriver.

5. This unit is designed and assembled according to safety standard IEC 1010 (1990) and Modification 1 (1991).

**Power** | 350 W
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**Weight** | 2,15 kg
**Supply 230V/50 Hz code** | 10.0127
**Supply 115V/60 Hz code** | 10.1127

**Verifying the temperature of heating block**

The heating element in this unit is manufactured to hold the selected temperature while minimizing temperature variations from the set point. The Pt100 temperature probe maintains close alignment of set temperature and actual temperature of the heating block. However, if verification is required, a thermometer may be inserted in the opening provided in the heating block.