

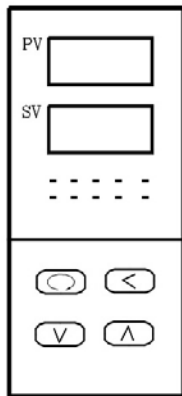
## Oven & Temperature Controller

### Introduction

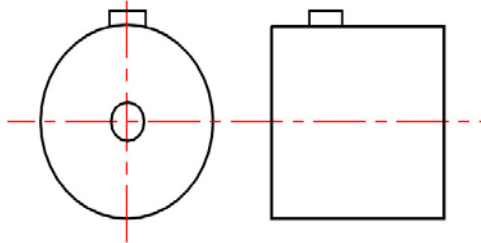
CASTECH provides oven and temperature controller for heating the crystal and controlling its temperature to a certain value.

### Specifications

Temperature Controller	Oven
<ul style="list-style-type: none"> <li>• Purpose ASIC processor</li> <li>• PID control</li> <li>• Auto tuning</li> <li>• RS-232 interface (optional)</li> <li>• Programmable (optional)</li> <li>• Stability: <math>\pm 0.1^{\circ}\text{C}</math></li> <li>• Size: <math>50 \times 100 \times 135\text{mm}^3</math></li> <li>• Normal Package Standard</li> <li>• Voltage: 85~135VAC</li> </ul>	<ul style="list-style-type: none"> <li>• Design: Radioactive heat compensation</li> <li>• Plane temperature distribution</li> <li>• Fast tuning</li> <li>• Size: <math>\phi 50\text{mm} \times 55\text{mm}</math></li> <li>• Cavity size: <math>\phi 10\text{mm} \times 55\text{mm}</math></li> <li>• Sensor: Pt100 thermocouple</li> <li>• Working temperature: <math>\leq 180^{\circ}\text{C}</math></li> </ul>



Temperature Controller



Oven

### Applications:

Heating nonlinear crystals is usually employed in NCPM, OPO, OPA, etc.

**Note: Special applications are available upon request.**