

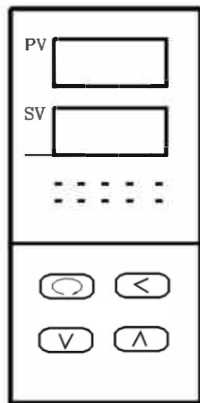
Oven & Temperature Controller

Introduction

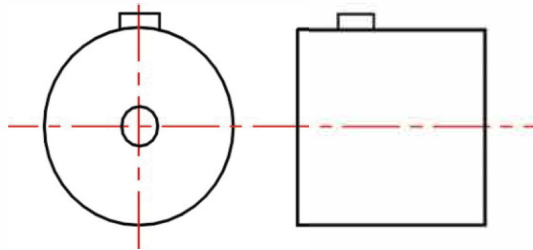
CASTECH provides oven and temperature controller for heating the crystal and controlling its temperature to a certain value.

Specifications

Temperature Controller	Oven
<ul style="list-style-type: none"> • Purpose ASIC processor • PID control • Auto tuning • RS-232 interface (optional) • Programmable (optional) • Stability: $\pm 0.1^{\circ}\text{C}$ • Size: $50 \times 100 \times 135\text{mm}^3$ • Normal Package Standard • Voltage: 110/220V AC, two types 	<ul style="list-style-type: none"> • Design: Radioactive heat compensation • Plane temperature distribution • Fast tuning • Size: $\phi 50\text{mm} \times 55\text{mm}$ (regular) $\phi 30\text{mm} \times 45\text{mm}$ (mini) • Cavity size: $\phi 10\text{mm} \times 55\text{mm}$ (regular) $\phi 10\text{mm} \times 45\text{mm}$ (mini) • Sensor: Pt100 thermocouple • Working temperature: $\leq 180^{\circ}\text{C}$



Temperature Controller



Oven

Applications:

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

Note:

- 1、 There are two types of applied voltage on oven, 110V and 220V. Please confirm it when order and check it before plug in the power. Burned and other damages, which caused by improper power selection, are not guaranteed to repair.
- 2、 Special oven size, holder of crystals and right-angle support setting applications are available upon request.

公司简介 INTRODUCTION



CASTECH INC.

(CASTECH) was founded by Fujian Institute of Research on the Structure of Matter, Chinese Academy of Science in 1988. Thanks to long term interactive partnership with the leaders in laser system manufacturing industry and ongoing efforts of our employees, we have established the largest mass production lines in the world for LBO, BBO, Nd:YVO₄ and TGG crystals, and implemented a complete quality control system for our products.

CASTECH is now a worldwide leading supplier of nonlinear optical crystals, laser crystals, precision optics, and a variety of laser components. In CASTECH, there are Flux/Czochralski/Water Solution/Bridgman Crystal Growth production lines, Crystal Orientation and Dicing workshop, Optical Polishing workshop and Optical Coating workshop with IBS, IAD, MS and EB coating technique. Our commitments are backed by our huge manufacturing capacity.

CASTECH's quality system is IATF 16949:2016 and ISO 9001:2015 certified. We have established a complete system for outgoing parts inspection. Our optical testing equipments include Zygo Interferometers, Agilent Cary 7000, Perkin-Elmer Lambda 950, Nikon Microscope, Photo-Thermal Common-Path Interferometers, Zygo Newview 8300, Taylor Hobson LupoSan 260, Extinction Ratio Measurement and Ellipsometers. These equipments along with many others, ensure that we comply with all specifications for our products.

Today, over 60% of CASTECH's products are exported to USA, Japan, Europe and other Asia Market. We have established a global sales network. We have set up our agencies and distributors in the main industrial countries and districts.

Our mission is to deliver the best products and solutions to our customers in photonics industry, and help them to realize their full potential in business. Here at CASTECH, we value comity, integrity, honesty, and innovation.