

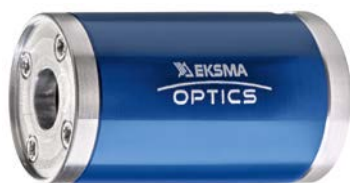
COMPACT OVEN FOR NONLINEAR CRYSTALS – Heatpoint

Heatpoint is a compact round oven designed for heating and thermo-stabilization of humidity sensitive nonlinear crystals. Temperature of the oven can be adjusted in 25 – 70 °C range using a small thermocontroller attached on a wire. Heatpoint ovens exhibit precise long-term stability and are ideal for keeping nonlinear crystals at their optimal operational temperature, preventing moisture condensation on crystal's faces.

Because of their compact design, Heatpoint ovens can be easily installed into tight spaces. These ovens can be mounted in any standard one-inch optics positioning mount.

Heatpoints are available in two sizes: HP15 accepts crystals up to 15 mm in length, while slightly longer HP30 fits crystals up to 30 mm in length. The exact aperture of the crystal must be specified when ordering, as a special adapter is made for the installation.

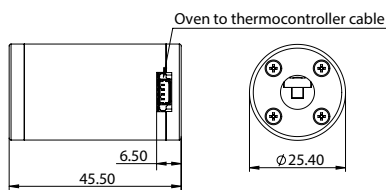
Each oven is made exactly for specific crystal aperture size, so it cannot be used for different size crystals.



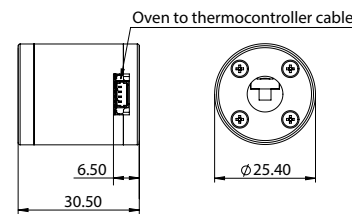
Heatpoint HP30



Heatpoint HP15



HP30 dimensions



HP15 dimensions

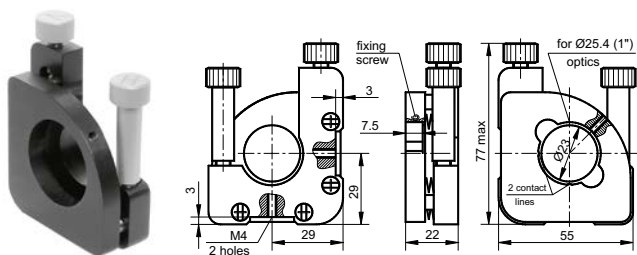


Heatpoint HP30 with thermocontroller

Specifications

MODEL	HP15	HP30
Crystal length (max)	15 mm	30 mm
Crystal aperture (max)	6 × 6 mm	
Temperature tuning range	25 – 70 °C	
Temperature tuning step	0.1 °C	
Long-term stability	± 0.1 °C	
Temperature ramp rate	3 °C/min	
Powering requirements	12 V DC	
Power consumption (P _{MAX})	6 W	
Power connector	2.1/5.5 mm	
Power adaptor (included)	90 – 264 V AC, 47 – 66 Hz, 12 V DC	
Dimensions (oven)	Ø 25.4 × 30.5 mm	Ø 25.4 × 45.5 mm
Dimensions (thermocontroller)	60 × 14 × 7.5 mm	
Distance (wiring length) from oven to thermocontroller	250 mm	

Related products



Positioning mount 840-0193