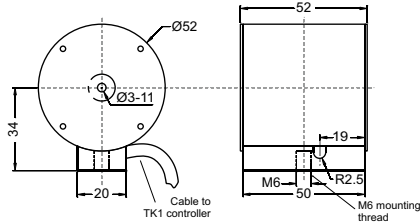


# Ovens for Nonlinear Crystals

## TEMPERATURE CONTROLLER TK1 WITH OVEN KK1



TK1 and KK1 dimensions

TK1 and KK1 is high temperature set (up to 200 °C) consisting of thermocontroller TK1 and crystal oven KK1. TK1 has two independent outputs and can control two KK1 ovens simultaneously. Through RS232 computer interface it can be controlled from PC. Current temperature is shown on LED display.

The nonlinear crystal is mounted into adapter before insertion into oven KK1. Such design facilitates handling and replacement of the crystal. The non-linear crystal can be sealed with fused silica windows in order to provide extra protection. The standard adapters are 15, 30 and 50 mm length with apertures of 3×3, 4×4, 5×5, 6×6 mm size. Customized adapters for crystals up to 12×12 mm size are available. In addition, adapters for Brewster-cut and PPLN crystals are available too.

### SPECIFICATIONS

Model	TK1+KK1-30	TK1+KK1-50
Quantity of ovens possible to connect to one controller TK1	2	1
Temperature tuning range	RT-200 °C	
Maximum crystals dimensions	12×12×30 mm	12×12×50 mm
Sealing (optional)	FS windows	
Accuracy	± 0.5 °C	
Long-term stability	± 0.1 °C	
Resolution	0.1 °C	
Powering requirements	90 – 264 V, 47 – 66 Hz	
Power consumption	45 W	
Sensor type	PT1000	
Output connector	DB9	
Serial interface	RS232 (DB 9)	
Dimensions, Dia×D	Ø52×52 mm	Ø52×72 mm

*Specifications are subject to changes without advance notice.*