

Temperature Controller with Oven for Nonlinear Crystals

TK2 & KK1

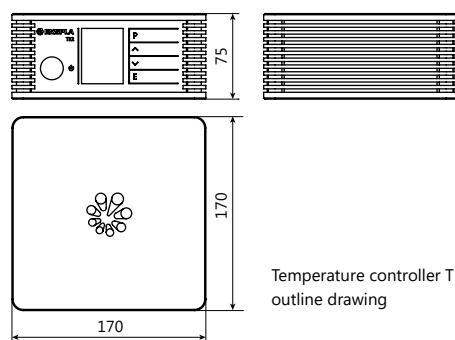
TK2 and KK1 is high temperature set (up to 200 °C) consisting of thermocontroller TK2 and crystal oven KK1.



TK2 has two independent outputs and can control two KK1-30 ovens simultaneously. Controller is equipped by LAN and USB computer control interfaces.

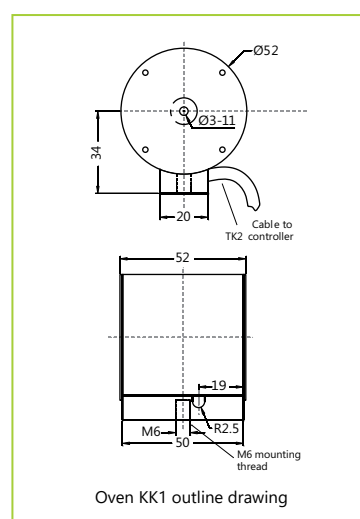
The nonlinear crystal is mounted into adapter before insertion into oven KK1. Such design facilitates handling and replacement of the crystal. The non-linear crystal can be sealed with fused silica windows in order to provide extra protection. The standard adapters are 30 and 50 mm length with apertures of 3×3, 4×4, 5×5, 6×6 mm ... 12×12 mm size. Oven is delivered with one, customer's specific size of adapter. Adapters for different sizes can be ordered separately.

Separately you can purchase adapter for KK1 mounting on tilt stage.



Temperature controller TK2 outline drawing

Oven KK1



Oven KK1 outline drawing



Adapter H4 for KK1 mounting on tilt stage

General Specifications

Model	TK2 + KK1-30	TK2 + KK1-50
Quantity of ovens possible to connect to one controller TK2	2	1
Temperature tuning range	RT-200 °C	
Maximum crystal dimensions	12×12×30 mm	12×12×50 mm
Temperature tuning step	0.05 °C	
Accuracy	± 0.5 °C	
Long-term stability	± 0.05 °C	
Control interfaces	LAN, USB	
Mains	90 – 264 V, 47 – 63 Hz	
Power consumption	< 50 W	
Oven dimensions, Dia×D	Ø52×52 mm	Ø52×72 mm

Specifications are subject to changes without advance notice.



東京インスツルメンツ
TOKYO INSTRUMENTS

グローバルにネットワークを広げ、最先端の科学をお客様に提供

本社：〒134-0088 東京都江戸川区西葛西6-18-14 T.I.ビル

Tel. 03-3686-4711

営業所：〒532-0003 大阪府大阪市淀川区宮原4-1-46 新大阪北ビル

Tel. 06-6393-7411

URL: <https://www.tokyoinst.co.jp> Mail: sales@tokyoinst.co.jp



超高真空・極低温走査型プローブ顕微鏡
高速分光測定装置、クライオスタット



Nd:YAGレーザー、Ti:Sレーザー
OPOレーザー