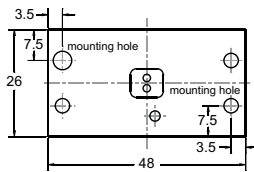
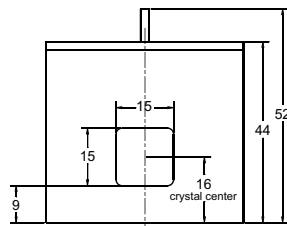


NONLINEAR CRYSTALS OVEN TK3



TK3 dimensions

TK3 is compact oven with build-in thermocontroller for temperature up to 60 °C. It is ideal for larger aperture crystals like KD*P. The crystals with up to 15 x 15 mm dimensions can be

mounted. TK3L model can fit crystals with up to 30 mm length.

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

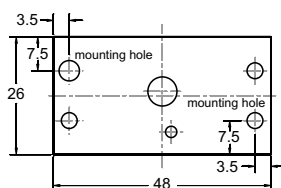
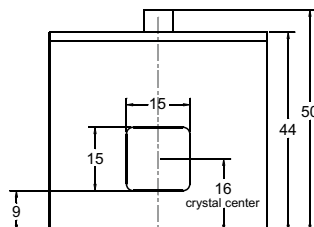
SPECIFICATIONS

Model	TK3	TK3L
Temperature tuning range near preset	± 5 °C	
Maximum crystals dimensions	15×15×20 mm	15×15×30 mm
Preset temperature	30 – 60 (80) °C	
Long-term stability	± 0.2 °C	
Powering requirements	12 – 15 V DC	
Power consumption	6 W	
Sensor type	NTC Thermo resistor	
Output connector	Molex 2 pin	
Dimensions, W×H×D	48×44×26 mm	48×44×36 mm

Specifications are subject to changes without advance notice.

On request we can manufacture ovens for crystals with aperture up to 60×60 mm or even larger.

NONLINEAR CRYSTALS OVEN TK4



TK4 dimensions

TK4 oven has identical mechanical design as TK3. The pre-set temperature can be adjusted in ±5°C range by the help of potentiometer. The current temperature is not indicated.

In addition, TK4 has “temperature ready” output signal, setting high level when pre-set temperature is reached. TK4XL model can fit crystals with up to 50 mm length.

SPECIFICATIONS

Model	TK4	TK4L	TK4XL
Temperature tuning range near preset	± 5 °C		
Maximum crystals dimensions	15×15×20 mm	15×15×30 mm	15×15×50 mm
Preset temperature	30 – 60 (80) °C		
Long-term stability	± 0.2 °C		
Temperature OK output signal	Present		
Powering requirements	12 – 15 V DC		
Power consumption	6 W	6 W	9 W
Sensor type	NTC Thermo resistor		
Output connector	Binder 719, 3 pin		
Dimensions, W×H×D	48×44×26 mm	48×50×36 mm	48×50×56 mm

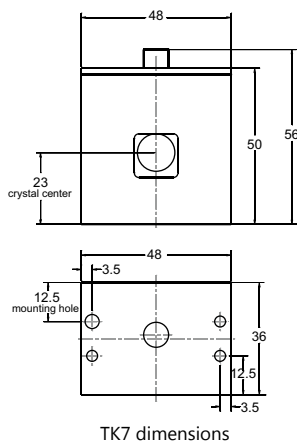
Specifications are subject to changes without advance notice.

NONLINEAR CRYSTALS OVEN TK7



TK7 is compact oven with build-in thermocontroller for temperature up to 60 °C. TK7 oven provides more crystal mounting options in comparison to TK3 or TK4. Like in KK1, each crystal is mounted into adapter before insertion in oven. TK7 and KK1 crystal adapters are compatible. Maximum crystal size for this model is 12×12 mm and the length of the crystal – 30 mm.

The pre-set temperature can be adjusted in $\pm 5^\circ\text{C}$ range with the help of potentiometer. The current temperature is not indicated. TK7 has “temperature ready” signal, setting high level when pre-set temperature is reached. For additional protection of crystal surfaces from the dust or other contamination, we offer TK7W model – windowed version of TK7 oven.



SPECIFICATIONS

Model	TK7	TK7L
Temperature tuning range near preset	$\pm 5^\circ\text{C}$	
Maximum crystals dimensions	12×12×15 mm	12×12×30 mm
Sealing (optional)	FS windows	
Preset temperature	30 – 60 (80) °C	
Long-term stability	$\pm 0.2^\circ\text{C}$	
Temperature OK output signal	Present	
Powering requirements	12 – 15 V DC	
Power consumption	6 W	
Sensor type	NTC Thermo resistor	
Output connector	Binder 719, 3 pin	
Dimensions, W×H×D	48×50×44 mm	48×50×56 mm

Specifications are subject to changes without advance notice.

MOUNTS FOR CRYSTALS OVENS



Mount H1 for fine tuning of TK3, TK4 or TK7 angle is available. The tuning range is $\pm 2.5^\circ$.



H2 type mount can fit two TK3, TK4 or TK7 type ovens and is ideal for holding second and third or fourth harmonics generators.