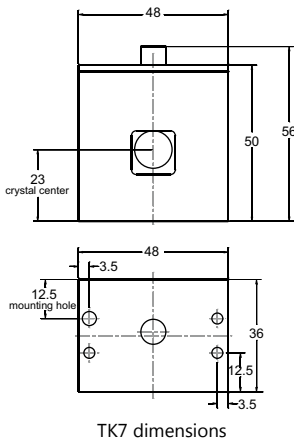


NONLINEAR CRYSTALS OVEN TK7



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 ±5°C range with the help of potentiometer. The current temperature is not indicated. TK7 has “temperature ready” signal, changing state 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	± 5 °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	± 0.2 °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 ± 2.5°.



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