

NONLINEAR CRYSTALS OVEN TK9

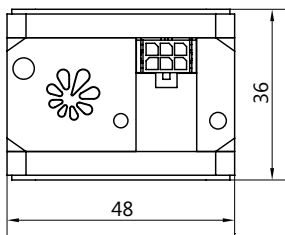
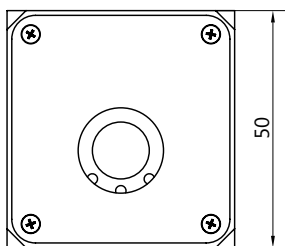


TK9 is compact oven with built-in thermocontroller for nonlinear crystals to keep them at stabilized temperature in range 30...80 °C. The crystals with aperture up to 12×12 mm and length up to 15 mm can be mounted. TK9L oven is designed for crystal length up to 30 mm.

Crystal oven is equipped with crystal adapters (holders), similar design as KK1, that can be easily replaceable for different crystal size. Crystal adapters can be ordered separately.

Crystal oven can be used in two ways. First one is autonomous operation. This case temperature is preset in advance and stored in internal controller. There is enough to connect DC power 12...24 V to keep crystal at preset temperature. LED indicator on top of oven shows that crystal temperature is reached preset value. Temperature setting can be factory preset or customer can set it himself using CAN-USB converter (sold separately) and CanBrowser software.

Another way of operation gives possibility to change crystal temperature any time as needed using CAN interface.



TK9 dimensions

SPECIFICATIONS

Model	TK9	TK9L
Maximum crystals dimensions	12×12×15 mm	12×12×30 mm
Temperature range	30 – 80 °C	
Temperature stability	± 0.2 °C	
Power consumption	<6 W	<9 W
Control interface	CAN	
Crystal center position above pad	23 mm	
Dimensions, W×H×D	48×50×36 mm	48×50×56 mm

Specifications are subject to changes without advance notice.

MOUNT FOR CRYSTALS OVENS



Mount for fine tuning of TK8 or TK9 crystal ovens angle. The tuning range is ± 2.5°.