

Crystal Ovens

TEMPERATURE CONTROLLER TK1 WITH OVEN KK1

- Stabilizes two different temperatures in a pair of ovens at once
- Can be controlled manually or from a PC
- Features LED display with the set temperature and actual temperature in an oven indication
- Ideal for heating of both types bulk and thin periodically poled crystals.



OVEN TK3

- Features temperature controller and crystal oven in a single housing
- Ideal for precise temperature stabilization of large harmonic generation crystals
- Special positioning mounts are available
- Compact size.



OVEN TK4

- Features temperature controller and crystal oven in a single housing
- Ideal for precise temperature stabilization of relatively small harmonic generation crystals
- Provides TTL "ready" signal
- Option proving hermetical sealing for the crystal is available
- Special positioning mounts are available
- Compact size.



SPECIFICATIONS

| | TK1+ KK1 | TK3 | TK4 |
|--------------------------------|------------------------|--------------------------|----------------------|
| Working temperature range | RT-200°C | RT-60°C | RT-60°C |
| Long term stability | ± 0.2°C | ± 0.25°C | ± 0.2°C |
| Accuracy | ± 0.5°C | ± 0.5°C | ± 0.5°C |
| Operating voltage | 110, 220, 240 V AC | 12-15 V DC ¹⁾ | 12-15 V DC |
| Maximum power consumption | 45 W | 6 W | 3 W |
| Maximum crystal dimensions, mm | 10×10×30 ²⁾ | 15×15×20 ³⁾ | 8×8×12 ⁴⁾ |
| Oven dimensions, W×H×D, mm | Ø52×50 | 48×44×24 | 51×52×31 |

¹⁾ 100, 220 or 240 V AC three-channel power supply is available.

²⁾ KK1 ovens for 50 mm long crystals are available.

³⁾ Ovens for 50 mm long crystals are available.

⁴⁾ Ovens for 20 mm long crystals are available.