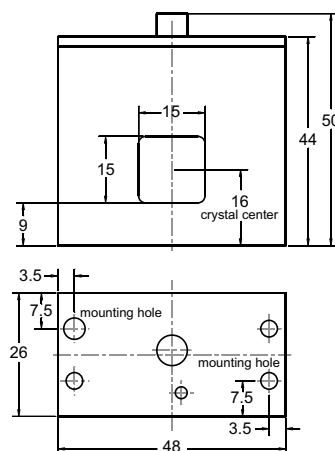


## CH4

## OVEN FOR NONLINEAR CRYSTALS



CH4 oven has identical mechanical design as CH3. The pre-set temperature can be adjusted in  $\pm 5$  °C range by the help of potentiometer. The current temperature is not indicated. In addition, CH4 has "temperature ready" output signal, changing state when pre-set temperature is reached. CH4-50 model can fit crystals with up to 50 mm length.



CH4 dimensions

### SPECIFICATIONS

Model	CH4-20	CH4-30	CH4-50
Temperature tuning range near preset		$\pm 5$ °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		$\pm 0.2$ °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.

Code **	Description, features	Price, EUR
<b>CH4-20</b> – Provides READY signal, stability $\pm 0.2$ °K, crystal length up to 20 mm		
CH4-20-y/y-x	Standard crystal sizes *	399
CH4-20-y/z-x	Non-standard crystal sizes	450
CH4-20-y/y-80	Version for temperature up to 80 °C	476
<b>CH4-30</b> – Provides READY signal, stability $\pm 0.2$ °K, crystal length up to 30 mm		
CH4-30-y/y-x	Standard crystal sizes *	450
CH4-30-y/z-x	Non-standard crystal sizes	501
CH4-30-y/y-80	Version for temperature up to 80 °C	516
<b>CH4-50</b> – Provides READY signal, stability $\pm 0.2$ °K, crystal length up to 50 mm		
CH4-50-y/y-x	Standard crystal sizes *	501
CH4-50-y/z-x	Non-standard crystal sizes	554
CH4-50-y/y-80	Version for temperature up to 80 °C	568
<b>Mounting accessories</b>		
MS-1	Two axis tilt adjustment 5 degrees range, suitable for all types of CH3, CH4 or CH7 crystal ovens	180
MS-2	Two axis tilt stage, adjustment in 5 degrees range, fits two pc. of CH3, CH4 or CH7 ovens	310
MS-3	Adapter for CH3, CH4 or CH7 mounting on rotary stage, 15 degrees fine tuning, angle read-out. Rotary stage should be ordered separately	70
<b>Power supply PS-12</b>		
PS-12	Power supply for CH3, CH4 or CH7 crystal oven, 100-240 VAC mains, +12 VDC output	64

\* Sizes 3×3, 4×4, ..., 15×15 are standard.

\*\* y/y, y/z – crystal size, x – preset temperature in degrees of Celsius (30-60 °C range).