

# Digital Thermo Regulator & Oven DCCO Series

**DCCO series** ovens and digital temperature controllers designed for heating and stabilizing non-linear crystals at predefined temperature providing reliability and long term operation. The temperature controller is supplied in three main specifications depending on the desired operating temperature. The crystal oven is produced to meet customer requirements and comes as a tailored solution depending on the crystal used. Our team of professionals will find best solution for the most demanding applications.



## Specifications <sup>1)</sup>

MODEL	DTR 100	DTR 150	DTR 200
<b>TEMPERATURE SPECIFICATIONS (HEATING ONLY)</b>			
Temperature range <sup>2)</sup>	Ambient – 100 °C	Ambient – 150 °C	Ambient – 200 °C
Heating/Cooling rate <sup>2)</sup>	User selectable 2, 4, 6 and 8 °C/min		
Temperature stability	0.02°C rms (30 min)		
Set point precision	0.1°C <sup>2)</sup>		
Display resolution	0.1°C <sup>2)</sup>		
Temperature sampling rate <sup>2)</sup>	3.3 reads per second		
<b>ELECTRICAL SPECIFICATIONS</b>			
Power supply	24 VDC adapter for 110 – 240 VAC, 50 – 60 Hz		
Power consumption	48 W max		
<b>MECHANICAL SPECIFICATIONS (THERMO CONTROLLER)</b>			
Dimensions	155 × 142 × 51 mm <sup>3)</sup>		
Weight	0.6 kg		
<b>MECHANICAL SPECIFICATIONS (CRYSTAL OVEN)</b>			
Dimensions	Depends on crystal size		
Length	crystal length 2 – 50 mm <sup>4)</sup>		

<sup>1)</sup> Due to continuous improvements all specifications are subject to change.

<sup>2)</sup> Other values/ranges available on demand.

<sup>3)</sup> OEM version available on demand.

<sup>4)</sup> Min oven length 30 mm.