



# TEMPERMETER DCS TM-10

Technical description and main data



**Tempermeter** is a specialized device used to check the quality of chocolate tempering. Tempering is a process that involves heating and cooling chocolate to specific temperatures to ensure it has the right crystal structure, giving it a glossy finish, snap, and smooth texture.

The Tempermeter DCS TM-10 helps measure whether the chocolate has been tempered correctly, ensuring it's ready for professional use.

- The Tempermeter has PLC on board. There is no need to connect to the computer to make the changes in setting up the Tempermeter parameters. The operator can adjust any parameters from the display of the Tempermeter and store them for different recipes for future
- Light and strong design. We are using an industrial enclosure and special forced plugs from German suppliers.
- Powerful Electronic cooler. Fast cooling and short test.
- Thermostable heating chamber of the chocolate sensor
- Easy start of a measure. After placing the chocolate sample - just push a button.
- Live view of the graph creation during the test
- High-resolution color sensor display of the operator with real-time indication. Multilanguage operator's menu
- Indication of Temperature in Celsius degree °C or Fahrenheit degree °F





The smart case for storage and transportation of the Tempermeter is included



Specification

Parameter Name	Value
Temperature measurement range by external sensor, °C	-50+...10
Imprecision of reproduction of temperature on the display screen, °C	±0.1
Imprecision of reproduction of temperature in memory, °C	±0.01
Temperature range in the refrigerator, °C	-20+...2
Constancy of setting the temperature of the refrigerator, °C	±0.1
Cooling time from 20°C o minus 0°C, min	4
Temperature setting range in the sensor heating chamber, °C	35..20
Discreteness of the measurement time shown on the display, sec	2
The number of experiments stored simultaneously in the appliance memory	9000
Maximum time allotted for one experiment in the archive, min	20
Power of heating elements, W	40
Interfaces	USB flash drive, Ethernet, WiFi
Indication (Touch Screen)	800 x 480 pixels
AC supply voltage, V	230...110V, 60/50 Hz
Maximum power consumption, W	75
Ambient temperature range, °C	5 ± 22
Mass, g.	no more 2400
Overall dimensions, mm.	235x220x140
Lower limit value of ambient temperature, °C	plus 18
The upper limit value of the ambient temperature, °C	plus 26



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