

C 7000 basic equipment set 1



The C 7000 is the first IKA® calorimeter with a completely dry system for measuring the gross calorific value of solid and liquid samples. The temperature is measured directly in the decomposition system. This results in measurement times in the range of 3 to 7 minutes (depending on the sample). The system can manage up to 8 different decomposition vessels using a code ring scheme.

- High sample frequency
- Precise and reproducible determination of gross calorific values according to ISO 1928
- Reduction of routine work through automatic application flow
- Automatic decomposition vessel identification
- Interface connections for scale, printer and PC
- User-friendly software C 5040 CalWin for controlling the calorimeter and administration of measuring data
- The decomposition vessel can be changed over to use combustible crucibles C 14

C 7000 basic equipment set 1 consisting of:

- C 7000 Measurement cell
- C 7010 Decomposition vessel, standard
- C 7002 Cooling system
- C 48 Oxygen station

Technical Data			
Measuring range max. [J]	30000	Measuring mode double dry (ISO 1928) [-]	yes
Measuring time double dry approx. [min]	3	Working temperature min. [°C]	18
Working temperature max. [°C]	30	Cooling medium temperature min. [°C]	12
Cooling medium temperature max. [°C]	30	Cooling medium permissible operating pressure [bar]	9
Cooling medium [-]	tap water	Type of cooling [-]	flow
Flow rate min. [l/h]	120	Flow rate max. [l/h]	180
Oxygen operating pressure max. [bar]	40	Interface scale [-]	RS232
Interface printer [-]	Centronix	Interface PC [-]	RS232
Oxygen filling [-]	no	Degasification [-]	no
Decomposition detection [-]	yes	Decomposition vessel C 7010 [-]	yes
Dimensions (W x H x D) [mm]	800 x 395 x 490	Weight [kg]	43
Permissible ambient temperature [°C]	18 – 30	Permissible relative moisture [%]	80
RS 232 interface [-]	yes	Voltage [V]	220 – 240
Frequency [Hz]	50/60	Power input [W]	260