



C 6000 global standards Package 1/10

/// Data Sheet

The C 6000 global standards oxygen bomb calorimeter combines modern technology, variability and automation in one instrument. It operates according to all bomb calorimeter standards, such as e.g. the DIN, ISO, ASTM, GOST and GB. The operator can choose between three different starting temperatures 22°C, 25°C, 30°C in each measuring mode. Due to the new design of the decomposition vessel, measurement time could be reduced. Due to the variety of different interfaces for PC, printer (Ethernet, serial and USB), balance and USB Stick this unit is easily adaptable to the customer's specific application needs. Further adaption to data management and LIMS is possible with our calorimeter software C 6040 Calwin (Accessory).

www.ika.com Subject to technical changes





Measuring modes:

- adiabatic
- isoperibol
- dynamic

Features:

- Automatic ignition and ignition energy determination
- Automatic water filling and draining
- Automatic oxygen filling, venting and flushing
- RFID technology for automatic decomposition vessel identification
- New design of the decomposition vessel allowing easier and faster sample preparation
- Easy and convenient capacitive touch screen operation
- Control chart view and correction calculation of globally used standards
- Ethernet interface to connect a network printer
- USB interface allowing easy data management and software updates

The C 6000 global standards Package 1/10 consists of:

- C 6000 global standards
- C 6010 decomposition vessel, standard
- RC 2 basic cooling water supply





Technical Data

Measuring range max. [J] 4000 Measuring mode adiabatic 22°C yes Measuring mode diabatic 23°C yes Measuring mode diabatic 23°C yes Measuring mode disoperitol 23°C yes Measuring mode dynamic 20°C yes Measuring mode dynamic 30°C yes Measuring mode dynamic 30°C yes Measurementsh daitabatic 5 Measurementsh isoperitol 6 Measurementsh isoperitol 0.05 Reproducibility adiabatic (1g benzoic acid NBS38) [%RSD] 0.15 Touchscreen yes Working temperature [CQ] 12 - 27 Cooling medium permessible operating pressure [bar] 0.001 Cooling medium permessible operating pressure [bar] 15 Cooling medium permessible operating pressure [bar] 60 Coling medium permessible operating pressure [bar] 60 Coling medium permessible operating pressure [bar] 60 Coling medium pe		
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Works according to DIN EN 15400 yes		



IKA designed for scientists

Works according to DIN CEN TS 14918	yes	
Works according to DIN CEN/TS 16023	yes	
Works according to DIN SPEC 19524	yes	
Works according to ASTM D240	yes	
Works according to ASTM D4809	yes	
Works according to ASTM D5468	yes	
Works according to ASTM D5865	yes	
Works according to ISO 1928	yes	
Works according to GB T213	yes	
Works according to GOST Certified	yes	
Dimensions (W x H x D) [mm]	500 x 425 x 450	
Weight [kg]	73.26	
Permissible ambient temperature [°C]	20 - 30	
Permissible relative humidity [%]	80	
Protection class according to DIN EN 60529	IP 20	
RS 232 interface	yes	
USB interface	USB-B	
Voltage [V]	220 - 240	
Frequency [Hz]	50/60	
Power input [W]	1700	

