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CALORIMETER
IC 210

CALORIMETER IC 210

Semi-automated, compact and light-weighted calorimeter with water circulator. To determine calorific value of solid and liquid samples.

For commercial, industrial and educational usages.

INCLUDED COMPONENTS

- Device
- Power Pack (Cables and Power Supply)
- Decompostion Vessel (Bomb)
- Water Circulator (With Cooling and Heating Properties)
- Integrated Screen or PC Controller (Optional)
- Software
- O-ring Set
- Tool Kit
- Oxygen Regulator
- Sample Preperation Unit
- Crucible Compartment
- Benzoic Acid
- Ignition Wire
- Crucible

IC210 General Technical Data	Information
Temperature Measurement Resollution	0.0001 K
Measuring Mode	Isoperibol
Water Filling and Draining	Automatic
Ignition	Automatic
Analysis Duration	< 16 min.
Preperation Time for Operator	maximum 2 min.
Range of Measurement	40 000 J
Reproducibility	RSD <0,05%
Operating Oxygen Pressure	30-40 bar
Imput Power Max.	200 W
Rated Voltage	220V / 5A
Dimensions	498x678x396 mm
Protection Class	III
Ambient Temperature	15-35 °C
Ambient Humidity	< 85%
Frequency	50/60 Hz.
Protection Class According to DIN	IP 10
Cooling Medium	Water Circulator
Water Filter	Included
Oxygen Filling	Manuel
Degasification	Manuel
Halogen (Decomposition) Vessel	Optional
Analysis According to	ISO 1928 ISO 18125 ISO 9831 ISO 1716 ASTM D5865 ASTM D5468 ASTM D4809 ASTM D240 ASTM E711 DIN 51 900
Interface	USB
Languages	EN/TR

Water Circulator	Information
Operating Options	Heating/Cooling
Temperature Range	-20 / 100 °C
Bath Capacity	7 L
Temperature Stabilitiy	±0,03
Heating Capacity	1,1 kW
Cooling Capacity	0,25 kW
Power Requirements	220-240 V / 50-60 Hz
Dimensions	292x423x620 mm

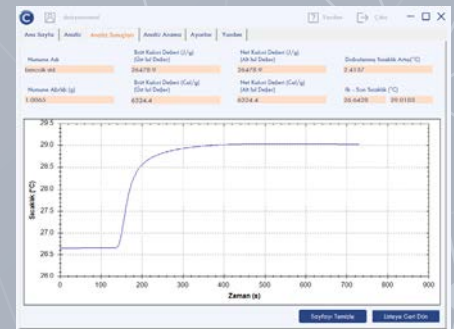| Software	Information
Choosing Analysis Type	Calibration/Standart
Operating on Sofware While Analysis Continues	Yes
During Analysis Graphic Progress	Yes
Analysis Graphic Output	±0,03
Calculation	Gross/ Net Calorific Value
Excel Output	Yes
Analysis Control	Device Control/ Analysis Simulation
File Encryption	Yes
User Registration	Unlimited
After Analysis	List and Review Analysis
Listing	According to: Username Analysis Name Analysis Date
Recalculation on Previous Analysis	Yes
Servie Authorisation	Full Authorisation Log File Access
User Friendly Service Feedbacks	Warnings and Auto Problem Identification
Operating System	Windows

ABOUT CALORIMETER IC 210

IC210 semi-automatic calorimeter provides fast and accurate calorific data for a wide range of samples.

For high precision and ease of use, our design combined with our special software technology.

Improved instrument with all water filling and draining as well as heating and cooling of the water are controlled automatically.

Easy to operate software with simple interface, semi-automized analysis control, data and graphic viewing and exporting, user-defined settings and simplied data handling. Simple usage makes it easy for everyone to operate and understand.

Calorimeter-PC Software

Spare Parts and Consumables