



Moisture, volatiles, ash analyser

- Furnace 50-1000°C with 1°C resolution for 19 samples
- Balance with 0.0001 gram sensitivity, adapted for high temperatures
- 2 carousels, 20 crucibles and 20 crucible covers
- PC controlled
- PC with software, keyboard and mouse
- 19" TFT monitor
- Cables and accessories

ThermoStep Specifications

METHODOLOGIES

Complies with AOAC, AACC, ASTM and EN

PRECISION

0.02% RSD (1 σ , 1g sample)

MAXIMUM SAMPLE SIZE

5 grams (maximum)

NUMBER OF SAMPLES

19 (+1 reference)

NUMBER OF LIDS

20

BALANCE RESOLUTION

0.0001g

FURNACE TEMPERATURE

Ambient (to 1000°C)

TEMPERATURE CONTROL

Minimum 40°C Accuracy 2% of set point or $\pm 2^\circ\text{C}$ (whichever is greater)
 Maximum 1000°C Stability 2% of set point or $\pm 2^\circ\text{C}$ (whichever is greater)

GAS FLOW RATE

1 to 10 l/min adjustable

GAS PRESSURE

Air 5 to 6 bar (75 to 90 psi)
 Nitrogen 2 to 4 bar (30 to 60 psi) internally regulated
 Oxygen 2 to 4 bar (30 to 60 psi) internally regulated

MINIMUM GAS PURITY

Air 99.5%; dry, oil-free
 Nitrogen 99.9%
 Oxygen 99.9%

OPERATING TEMPERATURE

10°C to 30°C

Humidity

20% to 80% non-condensing

VENTILATION

NOTE: The ThermoStep must be vented to an external exhaust
 Exhaust Diameter 100mm
 External Blower 4 m³/min.

ELECTRICAL POWER REQUIREMENTS

ThermoStep 230V~ ($\pm 10\%$), single phase, 50/60 Hz, 16 A
 External Blower 230V~ ($\pm 10\%$), single phase, 50/60 Hz, 0.25 A
 Printer 230V~ 50/60 Hz

COMPUTER REQUIREMENTS

Desktop with TFT
 Laptop on request

SHIPPING TEMPERATURE

-10°C to 65°C

DIMENSIONS

ThermoStep Height: 52 cm Width: 55 cm Depth: 62 cm

WEIGHT

65 kg

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