

## CALO-40, Calorimeter



### Features

- Vertical type, jacket water  $\geq 40$ kg which can ensure the stability of jacket water temperature.
- Test finished automatically
- Automatic oxygen filler equipped, oxygen filling by one press.
- Automatic sample ignition.
- Automatic temperature rise measurement and result calculation.
- High temperature resolution, temperature measured by PT1000 Platinum resistance to the

nearest 0.0001k to improve the test precision.

- Durable bombs need hydrostatic pressure test only once a year.
- With PCI interface, several calorimeters can be controlled by a single PC.
- Connected with balance and network by standard interface RS232, real time data can be transmitted through internal network.
- Easy-to use Windows-based software, easy data handling.

Model	CALO-40
Analysis Time	15~25 min
Heat Capacity Stability	$\leq 0.20\%$ within three months
Heat Capacity Precision	$\leq 0.15\%$
Temperature Resolution	0.0001K
Power Requirement	220V(-15%~10%), 50Hz
Max Power	0.5kW
Gas Requirement	99.5% purity of oxygen
Water Requirement	Distilled water
Size / Net weight	600x417x908mm / 89Kg

## ELAn-50A, Proximate Analyzer



### High efficiency

During the active analysis, the operator can pre-weigh the next batches of samples.

### Improved accuracy

Sample weighing at room Pow temperature by external and internal balances, effectively reduced the influence caused by balance drift.

### Safe operation

Specially designed volatile matter crucible together with unique auto-sample loading mechanism to avoid the operation of replacement or removal the crucible cover under high temperature thus to avoid the heat emission and hurt to the operator.

### Operation cost saving

Gas supply by compressed air, no oxygen and nitrogen required.

### Easy to operate and handle

- Easy-to-use Windows-based software, after finishing the sample weighing, operator's attendance is not needed.
- Easy data handling, real time data can be transmitted by internal network.
- With CAN bus interface, several proximate analyzers can be controlled by a single PC.
- Connect with balance and network by standard interlace RS232.

Model	ELAn-50A
Sample Weight	0.5~1.1 mg
Furnace Temperature	Room temperature ~ 1000°C
Temp. Control Precision	$\pm 3^\circ\text{C}$ (Moisture) $\pm 5^\circ\text{C}$ (Ash, Volatile matter)
Max Sample	18
Power Requirement	220V(-15%~10%), 50Hz
Gas Requirement	Compressed Air
Max Power	4.5kW
Standard Layout	Proximate Analyzer, Lenovo PC (Desktop), Printer
Size	845x563x596mm
Net weight	146kg