

INTRODUCING THE **THERMOGRAVIMETRIC ANALYSER**

2000 A- EB SERIES,
NAVAS INSTRUMENTS

FOR COAL, COKE, CEMENT, FOOD,
IRON ORE, BAUXITE AND OTHER
ORES FOR THE DETERMINATION
OF MOISTURE, VOLATILE MATTER,
ASH, FIXED-CARBON AND LOSS ON
IGNITION (LOI).



BENEFITS OF THE TGA 2000A-EB SERIES

Productivity: The external balance allows to obtain the initial weights of crucibles and samples (And optionally crucible-covers) during analysis time.

More throughput than competitors TGAs: No need to cool down to room temperature but to 70-200 degrees centigrade since the samples are weighed outside the furnace the samples do not lose weight during the weighing.

In competitors TGAs the initial weights of crucibles and samples are obtained inside the furnace, this makes necessary to cool down to room temperature with a waste of time.

In **TGA-2000A-EB** the first run can also get the initial weights of crucibles and samples inside the furnace if the furnace is at room temperature.

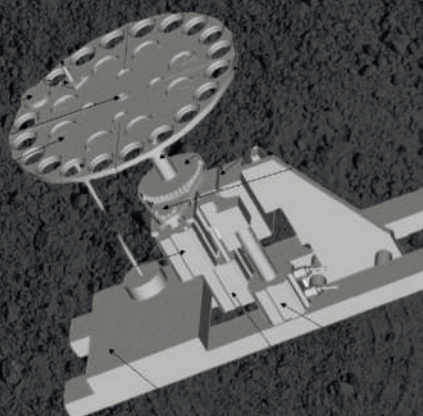
Ease of use: Easy to use software in Windows and easy to use diagnostics screen.



PRODUCTIVITY, THROUGHPUT AND EASE OF USE

1

The TGA-2000A-EB simultaneously analyzes multiple samples using a carousel with orifices that hold the crucibles. The carousel moves vertically and rotates to position the crucibles on the balance pedestal, which extends through a small orifice in the furnace from below.

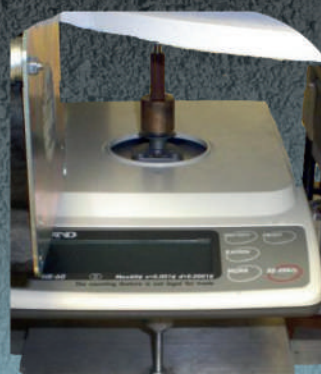


This translates to productivity and throughput. Several models available: (11, 15, 19 and 23 samples).

2

3

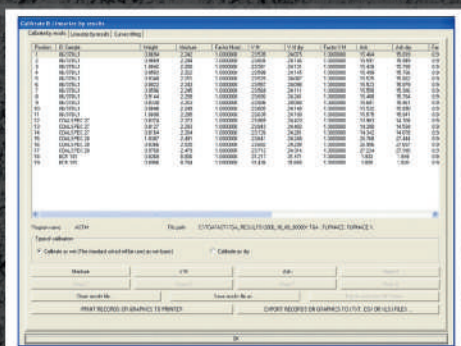
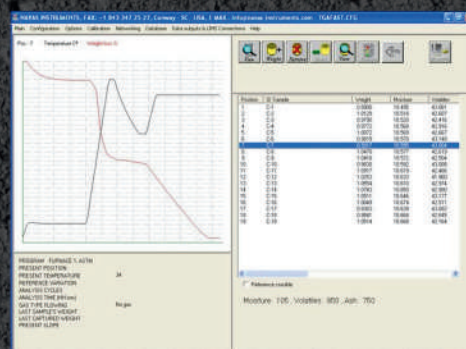
All being measured with 4 place precision balance with digital display for calibration and diagnostics. External balance for increased productivity. External balance allows obtaining initial weights of crucibles and samples during analysis time. Balances with LCD display for easy service.



PRODUCTIVITY, THROUGHPUT AND EASE OF USE

4

Windows based software for flexibility and functionality
Configurable parameters for all slopes, temperatures, ramp rates, gases, etc.



Run	Temp (°C)	Weight (%)	Derivative (%)	Time (min)
1	25	100.00	0.00	0.00
2	50	100.00	0.00	0.00
3	100	100.00	0.00	0.00
4	150	100.00	0.00	0.00
5	200	100.00	0.00	0.00
6	250	100.00	0.00	0.00
7	300	100.00	0.00	0.00
8	350	100.00	0.00	0.00
9	400	95.00	5.00	0.00
10	450	90.00	10.00	0.00
11	500	85.00	15.00	0.00
12	550	80.00	20.00	0.00
13	600	75.00	25.00	0.00
14	650	70.00	30.00	0.00
15	700	65.00	35.00	0.00
16	750	60.00	40.00	0.00
17	800	55.00	45.00	0.00
18	850	50.00	50.00	0.00
19	900	45.00	55.00	0.00
20	950	40.00	60.00	0.00
21	1000	35.00	65.00	0.00

Powerful Open Database Connectivity (ODBC) with filtering, sorting, configurable data exports to LIMS (Laboratory Information Management Systems) and to Microsoft Excel in TXT, CSV and XLS files or to serial port.

5

6

Our TGA system uses standard electric and pneumatic components, eliminating dependency on Navas Instruments. For convenience, we provide a full parts and service department. Our magnetic, dust-resistant sensors outperform other TGA manufacturers' costly proprietary parts and electronics.

RELIABLE PERFORMANCE & EASY OPERATION

The Navas Instruments TGA 2000A- EB Series provides fast and consistent results with an easy to use Windows operational software.

- Auto-recovery from mains power failure.
- Single furnace or dual furnace controlled by one single PC.
- Controlled with desktop PC or laptop through standard USB connection.

CONTACT US



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