

Multiple Sample Thermogravimetric Analyzers With Easy To Use Operational Software In Windows Models Available (11, 15, 19, 23 Samples)



Navas Instruments TGA - 1000 Series For: Tobacco, Food, Cement, Nickel, Gypsum, Iron Ore And Other Ores, etc ... Determination of: Moisture, Volatile Matter, Ash Fixed-Carbon, and LOI (Loss On Ignition)

The Navas Instruments TGA-1000 will provide 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

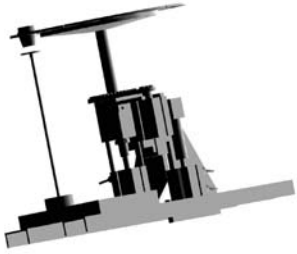
Controlled with desktop PC or laptop through standard USB connection



Benefits

- **Affordability:** The TGA-1000 Series is similar to model TGA-2000 but crucible-covers for volatile matter determination can be placed and removed manually, this model is for customers with limited budget or applications that do not require crucible-covers placement and removal
- **Extensibility:** The TGA-1000 can be easily upgraded to model TGA-3000 or TGA-4000 to use an additional external balance for increased throughput, the additional external balance allows obtaining the initial weights of crucibles, samples and covers during analysis time, Model TGA-1000 can also be easily upgraded to model TGA-2000 to use automatic crucible-cover placement and removal for volatile matter determination in coal and coke
- **Ease of use:** Easy to use software in Windows and easy to use diagnostics screen

Affordability, Extensibility And Ease Of Use



1

The TGA - 1000 Analyzes multiple samples simultaneously using a carousel with orifices that hold the crucibles with samples inside
The carousel moves up/down and rotates to deposit the crucibles on the balance pedestal
The balance is below the furnace and the pedestal goes through a small orifice in the furnace

2

This translates to affordability and ease of use



3

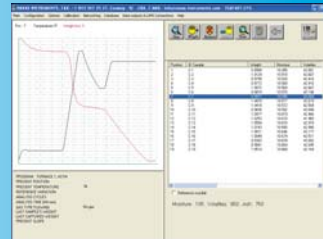
All being measured with 4 place precision balance with digital display for calibration and diagnostics

Optional external balance for increased productivity
External balance allows obtaining initial weights of crucibles and samples during analysis time
Balance with LCD display for easy service

4

Windows based software for flexibility and functionality

Configurable parameters for all slopes:
Temperatures, ramp rates, gases, etc ...



5

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

6

All the electric and pneumatic parts in the TGA can be acquired in the market
With no dependency on Navas Instruments, However for our customers convenience we do maintain a complete parts and service department
All sensors are magnetic not affected by dust
Other TGA manufacturers use special electronics and parts that can only be purchased from the manufacturer at very high prices