

# AUTOMATIC PROXIMATE ANALYZER

## Thermal Gravimetric Analyzer (TGA)



### Application area:

Electrical Power, Coal, Commerce Inspection, Environment Protection, Metallurgy, Papermaking, Petrochemical, Earth Probe and The research institute or quality inspecting organization to test the content of air-dry basis moisture, ash, and volatile constituent in the coal. The instrument can also automatically calculate caloric value and the content of fixed carbon and hydrogen in the samples.

### Specifications

Model DNG-GYFX

Furnace temperature 0 °C ~ 200 °C (Low temperature furnace)

0 °C ~ 1000 °C (high temperature furnace)

Temperature controlling precision  $\pm 5$  °C

Weight of sample 0.5g ~ 0.7g

Sample number 11 samples per time

Testing time about 20 minutes per sample

Airflow rate 600ml/min (nitrogen), 400ml/min (oxygen)

Sample weight 45mg ~ 100mg

Power Supply 100 ~ 260V, 50/60HZ

Power  $\leq 2$  KW

Dimension 400mm x 510mm x 640 mm

Weight 65Kg

## Features:

- ⇒ Adopting the integrated configuration, put the sample feeding device, electrical scale, vertical high temperature cracking furnace, electrolytic cell, stirrer, and gas purification system in a single container
- ⇒ Using the PID temperature controlling algorithm, hence the temperature control is more accurate and the temperature rise more quickly.
- ⇒ Adopting precise reference source, low temperature drift and high precision operational amplifier, and 12-Bit A/D conversion chip in the controlling card, the instrument has the functions of cold end compensation, over-temperature protection both in hardware and software.
- ⇒ Completely support Windows systems; high stability; can link electronic scale and share data in long distance through network.



E-41, Okhla Industrial Area, Phase-II  
New Delhi-110020 (India)  
Ph:- 91-11-40522000  
Fax:- 91-11-40503150/51  
[www.dngtechno.com](http://www.dngtechno.com)  
E-mail:- [enq@spectro.in](mailto:enq@spectro.in)  
[care@spectro.in](mailto:care@spectro.in)