

SULAB



IF2000G / FCA

Coal & Biofuels Ash Fusion

*Refuse-Derived Fuel (RFD) Ash
Solid mineral fuel Ash
Solid Biofuels Ash
Coal Ash
Coke Ash*



The latest technology in the service of the Analysis

Only one Analyzer for All the Actual International Ash Fusion Norms, under all Shapes

Able to Analyze from 3mm x 3 mm cubes or cylinders, up to 20 mm pyramids

Able to produce the CO/CO₂, and CO₂/H₂ mixtures or to use premixed gases

Automatic sample shape Identification, cylinders, truncated pyramids, pyramids

Furnace capability up to 1700°C with the Lanthanum Chromite heating Elements

Fully automatic, you can perform the Analysis overnight, so, 12 Analyzed Ashes per Day

CEN, ISO, ASTM Norms Updated inside the Software, downloadable from our website.

ONLY IF2000G IS THE ALONE TO ANALYSE THE ASH

ACCORDING THE SPECIFIED SHAPES IN ISO, CEN, ASTM Norms

The IF 2000G is an automatic instrument for the determination of the ash fusion points by the mean of image analysis. This determination uses the most modern technology for monitoring, computing, storing results and curves obtained during the test according with your specifications. Once the sample is introduced into the furnace, the operator is free until the end of the analyze. The results and the curves are automatically stored in a DATA BASE and automatic reports are printed. The analyzer can work with 4 ash samples simultaneously, for each sample, all the dimensions, rounding, form factor, volume ... are individually computed and stored . Each sample picture is individually stored 1°C by 1°C, and can be easily retrieved in your own report

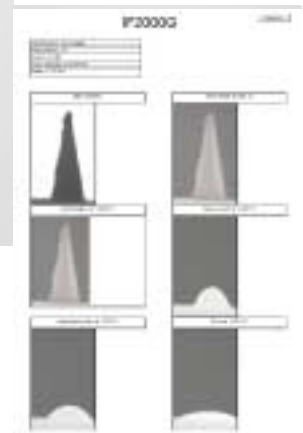
Summary of IF2000 features:

- 1- ISO540, ASTM, CEN/TS 15404 Nov 2006 (new release of CEN/1570)
- 2- Specimen shape cylinder with height of 3 - 5 mm and diameter equal to height or pyramids 19*6*6mm
- 3- The mould, related devices and consumables included
- 4- Furnace (for IF2000FCA model 1600°C capability, for IF2000G model 1700°C capability)
- 5- Resolution 1 °C
- 6- Specific temperature determination precision 20 °C
- 7- Temperature ramp range 1°C to 12 °C
- 8- Gases : CO/CO2 & CO2/H2 mixture ready to use, additional feature included CO, CO2, H2 separate entries, and mixture automatically made by the analyzer. An air pump is included for tests in oxidizing atmospheres
- 9- Gas Flow control + additional empty tanks control feature
- 10- Automatic air flow cooling for the furnace + CO/CO2/H2/Air exhaust tube to the lab Hood
- 11- IF2000G includes CO measurement device connected, with audible and visible alarm + CO level indication + automatic gas shut off
- 12- Test program included , and in addition, simulated analysis features using recorded picture of a previous analysis
- 13- 4 samples simultaneously analyzed, fully automatic, the analyzer can run overnight (3 runs / day)
- 14- Automatic identification, settings included in the setup, sample shape automatic recognition, and computed points automatically setted according the selected Norm
- 15- Image collection of individual sample 1°C by 1°C, image collection of whole camera picture included all samples 4°C by 4°C
- 16- Automatic test reports and automatic reports as pdf files with a "pdf printer " software
- 17- In the standard delivery: Au and Coal Ash reference material included
- 18- In standard package Industrial Embedded PC under XPe included with Network.
- 19- Connexions complying the EU standards
- 20- The standard startup kit is including 1x IF2 325C2: 4 samples Alumina Fusion Tray (100 p) + IF2 313CNC: 2 samples Alumina fusion tray 100pcs , so 400+200 analysis.
- 21- For research in Biomass Ash behaviour, exclusiv Zirconia-yttria fusion trays are provided with IF2000G Model

Final Report



Final Report



Select your ash fusion analyzer according your needs

IF2000G Up to 4 Samples (Biomass Ash or Coal Ash), any Sample Shape from 3*3*3mm up to 19*6*6mm (Heating Elements and Ceramic with up to 1750°C Capability) According to Norms: CEN, ISO, ASTM, AFNOR, BRITISH and AUSTRALIAN for Biomass, Refuse-Derived Fuels and Coal

IF2000F Up to 2 Samples (Biomass Ash or Coal Ash), any Sample Shape from 3*3*3mm up to 19*6*6mm (Heating Elements and Ceramic with up to 1750°C Capability) According to Norms: CEN, ISO, ASTM, AFNOR, BRITISH and AUSTRALIAN for Biomass, Refuse-Derived Fuels and Coal

IF2000FCA Up to 4 Samples (Coal Ash Only), any Sample Shape from 3*3*3mm up to 19*6*6mm (Heating Elements and Ceramic with up to 1580°C Capability) According to Norms: ISO, ASTM



Local DEALERS in :

France, Belgium, Germany, Finland, Sweden, Denmark, Norway, Estonia, Italia, South Africa, India, Spain, Pakistan ,China

Other Countries: contact Sylab
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