ELAn-12, Infrared Sulfur Analyzer

ELAn-12

Highlights:

High automation, safe operation
Up to 12 samples can be loaded and after that, the operator can be freed for other tasks. The analyzer will finish the whole test process automatically, including automatic sample introducing, testing and sample discarding, the operator needs not to operate under high temperature.

Adding and replacing samples during active analysis available
Unique auto-sample loading device makes sample adding and replacing available when active analysis is conducting.

Ultra-low drift infrared cell
With high-performance infrared light supply and superior optical glass as well as pure gold infrared path. the drift of the infrared cell,

Convenient to replace filter wool
To take filter boat out by sample introducing rod automatically, thus makes the replacement of the filter wool more convenient.

Extended working life of sample sending rod
Sample introducing rod with self-protection system, after presenting the samples, the rod will retreat to the low temperature zone automatically, so the working life of the rod is greatly extended.

Less gas consumption
With gas supplied by sample introducing rod which is hollowly designed, the software could decide whether to supply gas or not according to the position of the sample introducing rod, so, the oxygen consumption is lowered and operation cost is reduced.

Hollow sample introducing rod

9 Patents, Infrared Sulfur Analyzer is the only type of sulfur analyzer which can replace the filter wool conveniently

Application:
infrared Sulfur Analyzer can be used to determine the total sulfur content in coal , coke and other combustibles.
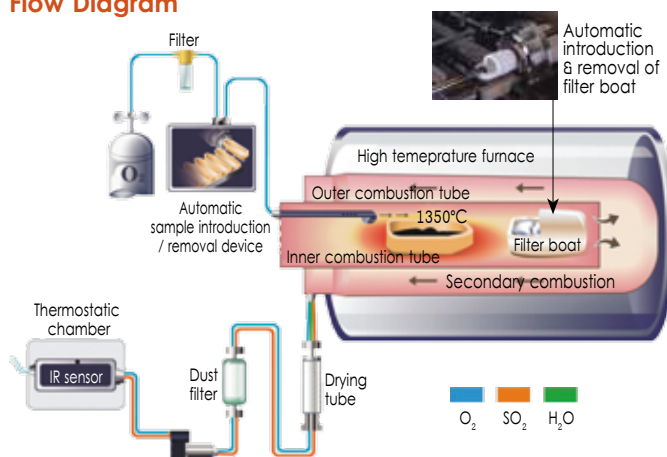
Conformance with Standards:
ISO 19579:2006 Solid mineral fuels Determination of sulfur by IA spectrometry
ASTM D4239-10 Standard Test Method for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods

Easy to operate and handle
- Easy-to-use Windows-based software.
- Easy data handling, real time data can be transmitted by internal network.
- With CAN bus interface, several sulfur analyzers can be controlled by a single PC.
- Connect with balance and network by standard interface RS232.

Flow Diagram

Model	ELAn-12
Method	Infrared absorption
Test Range	0,01%-50% (Can be extended to 100% according to customers requires)
Sample Weight	200-500 mg
Recommended Weight	300 ± 50 mg
Analysis Time per Sample	≤ 110s
Max Sample	12
Furnace Working Temp.	1350°C
Power Requirement	220V(-15%~10%), 50Hz
Gas Requirement	Oxygen purity 99.5%
Max Power	4kW
Standard Layout	Analyzer, Lenovo PC (Desktop), Printer
Size	822x604x636mm
Net weight	108kg

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