



# DW-CS-8620 Arc Infrared Carbon&Sulphur Analysis Instrument

## 1. Product Description

Infrared Carbon&Sulfur Analyzer, with infrared analysis techniques and arc burner, is used to testing the mass fraction of C,S of steel, alloy, nonferrous metal, cement, ore, catalyst and other materials.



## 2. Main Features

- (1) Convenient, practical and reliable: unique burning device, equipped with infrared detection system, direct online, remote operation.
- (2) Tubular oven high pressure device design and metal filtering device, ensure the airflow stability.
- (3) Adopting pyroelectric infrared detectors with low noise, high sensitivity and high stability and using Tailor-made new platinum infrared light source of fever continued and high efficiency of the spectral characteristics.
- (4) Infrared testing and combustion furnace are connected by optical fiber, with multistage hidden isolating circuit, complete eliminate the arc interference completely.
- (5) Weighing the sample in variable amount with electronic balance: different brands of electronic balance are selectable, automatic online, to realize weighing the sample in variable amount.
- (6) Apply to arc burning infrared carbon&sulfur analysis software. English operating software, convenient operation and easy to master.

## 3. Main technical parameter

Testing elements	C,S Surveying
Analysis theory	Arc furnace burn infrared absorptive detection
Analysis range	C: 0.0010%-10.000% S: 0.0005%-0.500%(can extend to 99.9999%)
Analysis of error	C:Accor with GB/T223.69-1997 Standard; S:Accord with GB/T223.68-1997 Standard
Analysis time	20-100s adjustable
Electronic balance	Weighing the sample in variable amount, weighing range:210g/0.001g

## 4. Spare parts list

Name	Model	Unit	Qty	Remark
Fuse tube	4A 15A	Pc	2	
Relay	JTX-AC 220V	Pc	1	
Sealing ring	Φ9×1.9	Pc	1	
Sealing ring	Φ5×1.9	Pc	1	
PVC tube	Φ4×6	M	10	
Silica gel ring	Φ42×20×4	Pc	1	
Silica gel ring	Φ42×20×4	Pc	1	
Dust extraction pipe		Pc	1	

Smashing sample		Pc	1	
Through grey hook		Pc	1	
High quality hoses	Φ5×8.5	M	1	
Silicon molybdenum powder		Bottle	2	
Pure iron		Bottle	1	
Tin granular		Bottle	1	
Copper crucible		Pc	2	
Tweezers		Pc	1	
Samples spoon	Large, medium and small	Set	1	Stainless steel
Multi-purpose socket		Pc	1	
Reducing valve		Pc	1	With special joint
Tungsten electrode		Pc	2	
Fur cap		Pc	1	
Silicone tube	Φ6×9	Pc	1	

