



IR Carbon and Sulphur Analyzers

LB-10CSA to LB-13CSA

IR Carbon and Sulphur Analyzer LB-10CSA

IR Carbon and Sulphur Analyzer LB-10CSA is a high frequency unit with a measurement range of 0.0001% ~ 99.9999% and an analysis time of 20 ~100 seconds. With a burning power ≥ 2.7 kVA, the samples are burnt adequately to measure the mass fraction of Carbon and Sulphur. High-speed 24-bit sampling chip and both ultra-low and higher content analysis improves sensitivity and provides a high precision rate.

Features

- High-precision pyro electric IR detector
- Platinum IR light for continuous heat and high spectral efficiency
- Furnace end and gas chamber airtightness detection (Software)
- 0.4 μ m porous metallic dust filtering device
- Multi-user management system
- Integrated linear modular power provides stable power output
- Aviation-exclusive synchronous motor for thermal stability

IR Carbon and Sulphur Analyzer LB-11CSA

IR Carbon and Sulphur Analyzer LB-11CSA is a high frequency unit with a measurement range of 0.0001 % ~99.9999 % and an analysis time of 20 ~100 seconds. With a burning power range of 2.5 kVA ~ 7.5 kVA, the samples are burnt adequately to measure the mass fraction of Carbon and Sulphur. High-speed 32-bit sampling chip and both ultra-low and higher content analysis improves sensitivity and provides a high precision rate.

Features

- High-precision pyro electric IR detector
- Platinum IR light for continuous heat and high spectral efficiency
- Ceramic high-power tube and vacuum capacitor (100A)
- Equipped with USB
- Micro porous metal filter
- Automatic air pressure burner cleaning device
- Integrated linear modular power provides stable power output
- Automatic solenoid valve detection
- Aviation-exclusive synchronous motor for thermal stability
- Furnace end and gas chamber airtightness detection (Software)

IR Carbon and Sulphur Analyzer LB-12CSA

IR Carbon and Sulphur Analyzer LB-12CSA is a high frequency unit with a measurement range of 0.0001% ~ 99.9999% and an analysis time of 25 ~ 60 seconds. With a burning power ≥ 2.5 kVA, the samples are burnt adequately to measure the mass fraction of Carbon and Sulphur. With high-speed sampling and both ultra-low and higher content analysis it provides a high precision rate and sensitivity.

Features

- Platinum IR light for continuous heat and high spectral efficiency
- Ceramic high-power tube and vacuum capacitor
- Automated Leakage Detection
- Overtime and overflow alarm
- Automatic electromagnetic valves detection
- High-Pressure Ash Discharge System to clean the dust within pipes
- Automatic air pressure burner cleaning device
- Integrated linear modular power provides stable power output
- Furnace end and gas chamber airtightness detection (Software)

IR Carbon and Sulphur Analyzer LB-13CSA

IR Carbon and Sulphur Analyzer LB-13CSA is a high frequency unit with a measurement range of 0.0001% ~ 99.9999% and an analysis time of 20 ~ 60 seconds. With a burning power ≥ 2.7 kVA, the samples are burnt adequately to measure the mass fraction of Carbon and Sulphur. High-speed 32-bit sampling chip and both ultra-low and higher content analysis improves sensitivity and provides a high precision rate.

Features

- Full scale linear calibration
- High-precision pyro electric IR detector
- Platinum IR light for continuous heat and high spectral efficiency
- Ceramic high-power tube and vacuum capacitor (100A)
- Equipped with USB
- Micro porous metal filter
- Automatic air pressure burner cleaning device
- Automatic solenoid valve detection
- Integrated linear modular power provides stable power output
- Aviation-exclusive synchronous motor for thermal stability
- Weak signal detection

Applications

Used in new energy, metallurgy, mines, nuclear industry, automobile industry, aviation, food industry, research institutes, geology, petrochemical industry, etc.

Specifications

Model	LB-10CSA	
Range of measurement	Carbon: 0.0001% ~99.9999%	Sulphur: 0.0001% ~99.9999%
Analysis precision	Carbon: RSD \leq 0.5%	Sulphur: RSD \leq 1.0%
Sensitivity	0.1 ppm	
Analysis time	20 ~ 100 seconds	
Burning power (adjustable)	\geq 2.7 kVA	
Oscillation frequency	20 MHz	
Reading Precision	0.0001g	
Indoor temperature	10 °C ~ 30 °C	
Relative humidity	< 75%	
Frequency	50Hz \pm 2%	
Voltage	AC 220V \pm 5%	

Specifications

Model	LB-11CSA	
Range of measurement	Carbon: 0.0001 % ~99.9999 %	Sulphur: 0.0001 % ~99.9999 %
Analysis precision	Carbon: RSD \leq 0.5%	Sulphur: RSD \leq 1.0%
Analysis time	20 ~ 60 seconds	
Burning power (adjustable)	2.5kVA ~ 7.5kVA	
Oscillation frequency	20 MHz	
Indoor temperature	10 °C ~ 30 °C	
Relative humidity	75%	
Frequency	50Hz \pm 2%	
Voltage	AC 220V \pm 5%	

Model	LB-12CSA	
Range of measurement	Carbon: 0.0001% ~99.9999%	Sulphur: 0.0001% ~99.9999%
Analysis time	25 ~ 60 seconds	
Burning power (adjustable)	\geq 2.5 kVA	
Oscillation frequency	18 MHz	
Reading Precision	0.0001g	
Indoor temperature	10 °C ~ 30 °C	
Relative humidity	\leq 90%	
Oxygen purity	\geq 99.5%	
Input pressure	0.18 MPa \pm 5%	
Frequency	50 Hz \pm 2%	
Voltage	AC 220V \pm 5%	

Specifications

Model	LB-13CSA	
Range of measurement	Carbon: 0.0001% ~99.9999%	Sulphur: 0.0001% ~ 99.9999%
Analysis precision	Carbon: RSD ≤ 0.5%	Sulphur: RSD ≤ 1.0%
Sensitivity	0.01 ppm	
Analysis time	20 ~ 60 seconds	
Burning power (adjustable)	≥ 2.5 kVA ~7.5 kVA	
Oscillation frequency	20 MHz	
Reading Precision	0.0001g	
Indoor temperature	10 °C ~ 30 °C	
Relative humidity	< 75%	
Frequency	50Hz ± 2%	
Voltage	AC 220V ± 5%	