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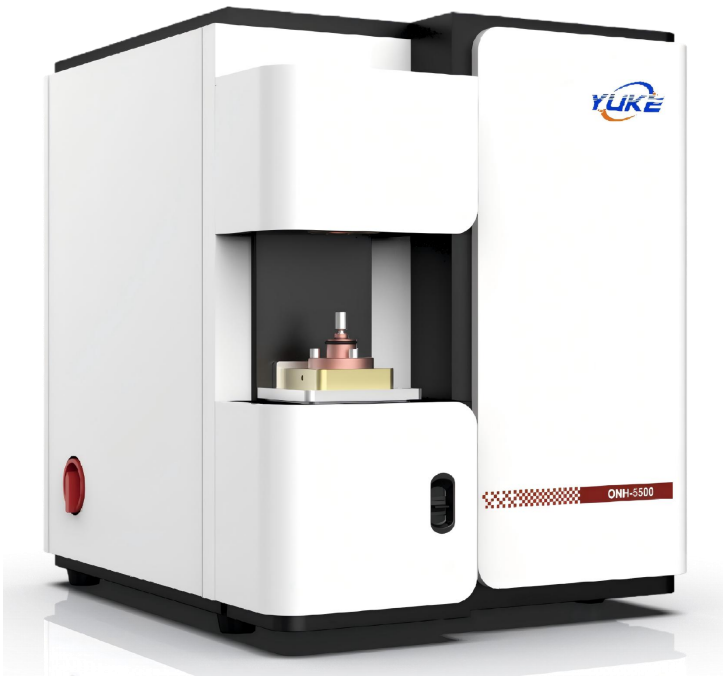
ONH Analyzer

YK-ONH5500



Details:

The YK-ONH5500 series oxygen, nitrogen, and hydrogen analyzer is a brand new oxygen, nitrogen, and hydrogen analyzer launched by Yuke in 2020. It has outstanding features such as three element joint measurement, efficient small flow gas path, and intelligent software system. It can quickly and accurately determine the full range range of oxygen, nitrogen, and hydrogen elements in solid inorganic materials such as steel, metal powder, non-ferrous metals, ceramics, minerals, etc. It is another masterpiece of the Steel Research Yuke gas analysis instrument brand.

Parameters:

Analysis range (1.0g sample)

Oxygen: hypoxia: 0.1 ~ 300ppm * hyperoxia: 0.03% ~ 2%*

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Nitrogen: low nitrogen: 0.1 ~ 300ppm * high nitrogen: 0.03% ~ 2%*

Hydrogen 0.1-2000ppm *

Note: changing the sample weight can change the measurement range

Analysis accuracy：

Oxygen and nitrogen: 1ppm or 1%*

Hydrogen: 0.2ppm or 2%*

Note:the standard deviation or uncertainty of the sample shall prevail.

Sensitivity:0.01ppm

Analysis time:generally 3 minutes

Sample weighing：

generally 1g, which can be changed according to the sample content.

Pulse furnace:current 0 ~ 1500A, power: 7.5kVA, maximum temperature higher than 3000 ℃.

Carrier gas：

Oxygen and nitrogen analysis: high purity helium (high nitrogen sample can be replaced by high purity argon)

Hydrogen analysis: high purity nitrogen

Power: 220 VAC ± 10%, 50 ± 1 Hz, maximum current 50 a.

SIZE Host:W × h × D: 55cm × 65cm × 65cm

Auxiliary machine:W × h × D: 45cm × 65cm × 65cm

Weight： 180kg

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Instrument features:

1. Using Non Dispersive Infrared (NDIR) technology to measure oxygen and hydrogen; Using highly sensitive thermal conductivity technology to measure nitrogen, single analysis can simultaneously measure three elements: O/N/H
2. Efficient and brand new pulse heating furnace design, capable of achieving high temperatures above 3000 ℃ and melting various solid inorganic samples
3. Efficient and concise analysis gas path, saving expensive He carrier gas and reducing analysis costs
4. Humanized software operation mode, real-time monitoring of key parameters of the instrument; Rich self diagnostic functions such as software controlled automatic leak detection can be achieved
5. Flexible software method settings, first-class linearization algorithm
6. During the analysis process, automatic channel switching between high and low ranges can be achieved
7. High stability flow control system to ensure the accuracy of analysis results
8. Modular detection unit design, with free choice of O/N/H elements, efficient and reasonable

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