OXYGEN/NITROGEN/HYDROGEN ANALYZERS (STANDARD TYPE)

ELA-ONH35

- Widely used in iron, non-ferrous metals, new materials, magnetic materials, new energy, research institution, etc.
- Can analyze oxygen, nitrogen, and hydrogen in alloys, lithium battery materials, powders, rare earths, neodymium-iron-boron materials, etc.
- Can analyze the oxygen in various oxide and the nitrogen in various nitride
- Test method can be established for different types of sample
- Thermal extraction is used to analyze the content of residual hydrogen in the sample
- Featured software with linearization and self-diagnostic function
- Automatic switching of channel from low to high content

SPECIFICATION

Code	ELA-O35	ELA-N35	ELA-ON35	ELA-ONH35	ELA-H35	ELA-OH35
Analysis element	O	N	O, N	O, N, H	H	O, H
Analysis range**	O: 0.1ppm~0.5%*	N: 0.1ppm~50%	O: 0.1ppm~0.5%* N: 0.1ppm~50%	O: 0.1ppm~0.5%* N: 0.1ppm~50% H: 0.1ppm~0.5%	H: 0.1ppm~0.5%	O: 0.1ppm~0.5% H: 0.1ppm~0.5%
Carrier gas	Ar (≥99.9995%)	He (≥99.9995%)			N2 (≥99.9995%)	
Motive gas	N2 (≥99.9995%)					
Accuracy	O: 1ppm or RSD≤1%, N: 1ppm or RSD≤1%, H: 0.2ppm or RSD≤2%					
Sensitivity	0.01ppm					
Pulse furnace	current: 0~1500A, the maximum temperature can reach 3000°C					
Analysis time	3 minutes					
Sample weighing	recommended 1g, can be changed according to the sample content					
Work environment	18~29°C, ≤80%RH					
Power supply	AC 220V, 50Hz/60Hz					
Dimensions (W×D×H)	700×1100×680mm					
Weight	180kg					

*Can be customized to extend the analysis range of oxygen: 0.1ppm~20%
**The analysis range can be expanded by changing the weight

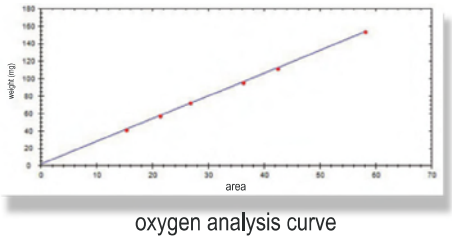
STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Analysis software	1 pc
Water circulate chiller	1 pc
Electronic analytical balance (8310-120M)	1 pc
Standard sample (ELA-ONH35-BYST)	1 pc
Electrode brush (ELA-ONH35-BR)	1 pc
Copper brush (ELA-ONH35-CR)	1 pc
Single crucible (ELA-ONH35-DCB25)	100 pcs
Reusable crucible (ELA-ONH35-FCB14)	50 sets
Tin sheet (ELA-ONH35-TS100)	1 pc
Copper oxide (ELA-ONH35-CU50)	1 pc
Soda lime (ELA-ONH35-SL)	1 pc
Printer	1 pc
Voltage regulator	1 pc
Tool	1 set

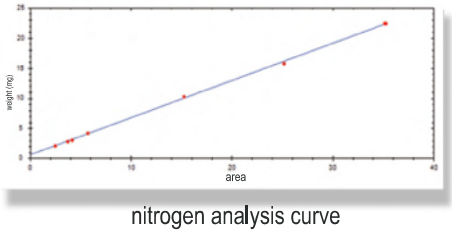
OPTIONAL DELIVERY

Quartz tube (Ø15mm×207mm)	ELA-ONH35-QT25
Nickel basket (200 pcs)	ELA-ONH35-NB200
Nickel foil (100g)	ELA-ONH35-NF100
Ultrasonic cleaner	ELA-ONH35-UC150

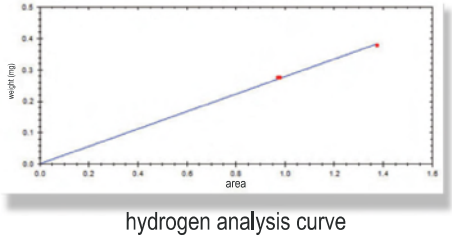
ANALYSIS CURVE



oxygen analysis curve



nitrogen analysis curve



hydrogen analysis curve

ANALYSIS SOFTWARE (INCLUDED)