

OBT-9800 Floor Model Spectrometer



The picture is for reference only

Applications:

OBT-9800 Floor Model Spectrometer , By using the CCD technology, the OBT-9800 is a preferred choice for the analysis of the elements concentration in metal. This instrument is widely used in the areas of metallurgy, foundry, machinery, automobile manufacturing, aerospace industry, weapon manufacture, metal processing and other fields.

Features:

- 1.High accuracy and affordable.
- 2.Complete analysis within a few seconds.
- 3.Optimized to customer requirements and optimal advisory services.
4. Extreme sensitivity due to latest CCD technology and software.
5. Adding additional analysis modules without any change of hardware.
6. Technology support and software update for free.
7. Wavelength coverage 130nm-800nm, permitting simultaneous analysis for up to 31 elements.
8. Available for routine analysis of small sample, diameter from 1mm to 8mm.
9. Humanized design, configuring as a bench top or floor model with storage possibilities for consumables and spares.

Specifications:

Optical System	Optical Structure	Paschen-Runge mount
	Rowland circle of diameter	350nm
	Wavelength range	130nm-800nm 200nm-800nm
	Detector	High resolution CCD Multi detectors
	Degree of vacuum	Auto control within 6-15 pa
Spark Source	Pixel resolution	30pm
		full spectrum
		Light room temperature is controlled automatically
	Type	Digital arc and spark source/ New plasma generator
	Spark Frequency	100-1000HZ
Spark Stand	Plasma current	1-80A
	Ignition voltage	>7000V
		Argon flushed with minimal consumption of Argon
		Spray discharge electrode technology
		Adjustable sample clamp
Others	Measurable elements	Fe base, Al base, Cu base, Zn base, ect
	Dimension	800mm(L)*700mm(W)*470mm(H)
	Weight	About 100kg
	Storage Temperature	0°C-45°C
	Operating temperature	10°C-30°C, 23±2°C is recommended
	Power	AC220V/50Hz (Customized)
	Power consumption	Excitation: 700W / Stand by:100W
	Argon quality	99.999%, Argon pressure >4Mpa
	Argon consumption	5L/min during spark mode





MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**
Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA
Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**
Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**
Product Name : **TESTING MACHINE**
Report No and Date : TCF-JHIC230128-MD
Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

Certificate Number : **M.2023.206.C81366**
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