



Description:-

W5 Optical Emission Spectrometer bring in the advanced technology from the USA. It is the 4th generation Arc/Spark-OES with high performance lowing operating cost for metal analysis and this is the latest research and development of detection equipment. The overall optical design has been enhanced, and with improvements of CMOS technology used to further improve the performance of the W5 while retaining the major benefit of earlier units. The CMOS spectrometer is not only contain the full spectrum characteristics of CCD spectrometer but also the extremely low detection limit for non-metallic elements such as C, S, P, B, As, N etc. The operation is simple and easy to learn. The test result is stable and accuracy. It is a good choice of all common metals for incoming and outgoing product quality control.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Technical Specifications:-

Item	Index
	Optical system
Optical structure	The Paschen Runge construction full vacuum type optics system
Room temperature	3S.C20.5r
Wavelength range	16S-589nm (Extendable)
Focal length	400mm
Grating line	2400m1/mm
First order spectral line dispersion rare	1.2nm/mm
Detector	Multi block high performance linear CMOS array
Average resolution ratio	10pm/pixet
Excitation table	
Gas	Rushing argon (99.999%)
Argonflow rate	When excited: 3-SL/min Standby time: no need for standby traffic
Electrode	Tungsten electrode technology
Purge	Automatic purge function
Make up	Thermal deformation self-compensation design
Analyze the gap	Sample stage:3.4 mm
Excitation ligM	
Type	HEN
Frequency	100-1000HZ
Discharge current	1-400A
Special technology	Optimization of discharge parameters design
Pre -combustion	High-energy pre-combustion technology
Processor	High end ARM, high-speed data synchronization acquisition and processing
Data collection system	
Interface	Ethernet data transmission based on DM9000A
Power	220VAC 50/60Hz(Customized)
Others	
Base	Fe, Cu, Al, Ni, Co, Mg, Ti, Zn, Pb, Sn, Ag, Mn, Cr etc
Power consumption	Maximum:750W standby:100W
Working temperature	10-350 (temperature 25' C)
Working Humidity	20-85%
humidityDimension	860mm(L)*680mm(W)*438mm(H)
Weight	100Kg

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