

Technical specifications

Optical system

- Paschen Runge Mounting
- Focal length: 400 mm
- Wavelength range: 133 nm – 615 nm
- Channel photomultipliers (CPM)
- Up to 32 analytical channels
- Vacuum system with rotary pump

Read-out system

- Microprocessor controlled read-out system
- Integrators matched to detector characteristics
- Spark Accumulation Readout Technology (SAROS)

Instrument control

- Communication through Ethernet and TCP/IP between PC and instrument

Source

- Digital generation of any discharge current curve through programmable logic modules
- Integrated emergency stop
- Maintenance-free, inductive ignition
- Discharge time 10 μ s to 2 ms
- max. 100 (200) A peak current
- max. 1000 Hz spark sequence

Spark Stand

- Easy change, self-centering
- ArgonStop function to reduce consumption
- exchangeable window with vacuum lock
- Sample clamp for easy use, stow-away for large and heavy samples

Software

- True Windows XP-Pro software
- Analysis software QMatrix
- Alloy grade monitoring with dynamic internal and external limit check; Material identification of unknown samples
- Integrated analysis management using SQL data base
- Comprehensive data storage & retrieval functions
- Office export to Word and Excel*, SPC charts (option)
- Email supported reporting system
- Integrated systems for diagnosis via Internet or telephone

Electrical data

- 230 or 115 V (50/60 Hz)
- 950 W during measurement, 350 W standby
- 16 A slow blow fuse or 25 A slow blow fuse

Weights & Dimensions

720 x 600 x 800 mm / 28 x 24 x 30" (W x H x D)
Supporting cabinet (Optional) 330 mm / 13" high
Weight ~ 330 lbs. / 150 kg

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