



SPECTROMAXx LMX08

Technical Specifications

CCD Optics

- High resolution CCD multi detectors
- Stabilized against fluctuations in temperature
- Effective wavelength range: 140-670 nm, the applicable and configured wavelength range is based on the customer's application requirements
- Automated profiling

Analysis Modules

- Freely selectable analysis modules
- Optimized to customer requirements
- Expansion of additional modules on-site possible

Spark Stand

- Open spark stand for high sample throughput and various kinds of sample geometries
- Minimized argon consumption with Argon Saver Module
- Optimized argon flow
- Reduced cleaning intervals
- Spark stand plate easily exchangeable
- Temperature absorbent design without water cooling
- Integrated shutter system for optimum plasma viewing

Excitation System

- Fully digitalized plasma generator with digital discharge definition, digital pulse generation and digital offline pulse control
- 32 MHz micro-controller
- Max. spark duration: 4000 μ s
- Max. spark power 4 kW

Readout System

- Dedicated microcontroller for each CCD
- Serial Source Interface

Spectrometer PC

- External, state of the art computer system with Windows operating system
- Keyboard and mouse
- Monitor
- Printer

Software

- Spark Analyzer Pro MAX Software for analytical operation and calibration
- Continuous automatic hardware diagnosis in the background
- Automatic alloy/grade verification and identification
- Result Manager
- Online Maintenance Scheduler

Environmental Conditions

- Room temperature: 10-30°C (50-86°F)
- Relative humidity: <80 %, non-condensing
- Atmosphere: free of corrosive vapors and high dust pollution

Spectrometer Data

- 90-253 V 50/60Hz
- max. 400 VA during sparking
- Fuse: 16 A slow-blow
- Version: Benchtop Floor model
- Depth: 750 mm/30" 790 mm/31"
- Width: 625 mm/25" 625 mm/25"
- Height: 450 mm/18" 1350 mm/53"
- Weight: 77 kg 127 kg
- approx. 169.7 lbs 279.9 lbs

COMPLETE LINE OF METAL ANALYZERS

SPECTROMAXx stands beside SPECTRO's flagship SPECTROLAB, a market leader for ultra-precise analysis, plus the entry-level SPECTROCHECK, offering high performance and dependability at a very competitive low price. It's complemented as well by SPECTRO's mobile product line, with the SPECTROTEST mobile analyzer, the SPECTRO xSORT XRF handheld analyzer, and the SPECTROPORT portable metal analyzer.

SPECTRO's unparalleled record of technological innovation ensures that users always get the best results in the business with every instrument.

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