

SPECTROPORT

TECHNICAL SPECIFICATIONS



Optics

- High-resolution CCD multi-detectors
- 300 mm diameter Rowland circle
- Effective wavelength range 270-530 nm
- Automatic profiling

Excitation

Arc

- Direct-current arc, max. current 2.8 A
- 12 kV ignition of the direct-current arc through controlled individual discharges
- Arc voltage 20-40 V

Spark

- Completely digital plasma generator with digital discharge definition, digital pulse generation and offline digital pulse control
- HEPS technology (High Energy Pre Spark)

Standard test probe*

(Arc/spark excitation)

- C in arc*
- Adapters and electrodes can be exchanged without tools
- Start and reset buttons on probe handle
- Pass/fail indicator (green/red) on the probe
- 3 m (9.8 ft) hose length

UV test probe*

(Arc/spark excitation)

- Argon-flushed UV system for determination of C, P, S, Sn, As, B and additional elements
- Usable wavelength range 178-196 nm
- Adapters and electrodes can be exchanged without tools
- Start and reset buttons on probe handle
- Pass/fail indicator (green/red) on the probe
- 3 m (9.8 ft) hose length

Spectrometer control

- Intel® Atom™ Quad-core CPU
- 4 GByte RAM
- Windows 10 Professional
- 2*Network, 1*VGA and 2*USB Ports
- MSATA (SATA3) SSD 128 GByte
- Integrated touchscreen LED TFT Display 10.4"
- Installed USB stick

Software details

- iCAL 2.0 (Intelligent Calibration Logic)
- Standard plug-ins
- Additional plug-ins*
- Method development software
- Result Manager software
- SPECTRO Metal Database*
- Web App

Starter kit

- Electrodes, brushes
- Spacer for electrodes, iCAL sample
- Quartz windows, Filter mats

Transport trolley*

- Instrument fastener
- Holder for argon bottle
- Locking brake
- Weight: 26 kg

Small transport trolley*

- Instrument fastener
- Holder for argon bottle
- Weight: 12 kg

Spectrometer data

- Instrument height: 550 mm (21.7")
- Width: 390 mm (15.4")
- Depth: 250 mm (9.8")
- Weight: 19.8 kg (43.7 lbs) (without battery pack)
- 90-253 V, 50 / 60 Hz
- 250 W during analysis
- 60 W in standby mode
- Fuse: 10A (16 A) slow-blow
- Battery charger: 100-240 V ($\pm 10\%$), 50/60 Hz

Accessories*

- Printer
- Battery pack

* Optional



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