

### FM EXPERT:

- Height: 305 mm / 1116 mm<sup>1)</sup> (12.0" / 43,9"<sup>1)</sup>).
  - Width: 545 mm (21,5").
  - Depth: 660 mm (26.2").
  - Weight: 42kg / 122kg<sup>1)</sup> (92,5 lbs / 269 lbs<sup>1)</sup>).
  - Power: 90-250 V AC, 50 / 60 Hz. Operating Mode 700 W. Stand by Mode 50 W (100 W Source on)
- <sup>1)</sup> : Floor stand version

### Optical system:

Multi-CCD optics in Paschen-Runge mounting and optimised pixel resolution.

- Reciprocal dispersion: 1,75 nm/mm (1st order).
- Focal length: 300 mm.
- Holographic grating: 1774 grooves/mm.
- Wavelength: 130 - 420 nm + Coverage to 671nm for peak coverage of Cu, Na and Li

### Solid State Source:

- Computer controlled parameters.
- Frequency: 80 - 500 Hz.
- Voltage: 250 - 500 V.
- High energy pre spark (HEPS).

### Readout system:

- External PC-Workstation incorporating up-to-date technology with Microsoft® Windows® user interface.

### Options:

- Wire adapter set.
- Sample preparation devices.
- Spare parts kit.
- Consumables kit.
- All-In-One computer system with wireless desktop.



### Typical applications:

- Analytical mode / identification.
- Majority of metals and their alloys.
- Fe: alloys, cast iron alloys incl. N down to 30ppm
- Al: alloys, cast alloys, ...
- Cu: bronze, brass, Cu-Ni, ...
- Ni: hasteloy ~inconel ~ monel, ...
- Ti: Ti pure, Ti.6-4 ~ Ti.8-Mn.
- Mg-,Co-,Pb-, Sn-, Zn alloys, solders and more ...



Wire adapter set