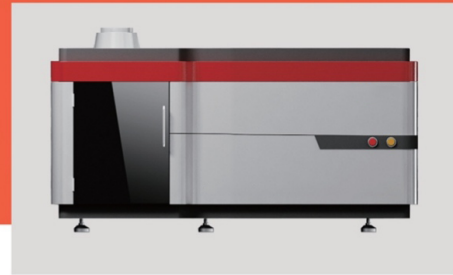


ICP-6810

Inductively coupled plasma emission spectrometer

Full spectrum direct reading



RF Power technical parameter

- RF Power technical parameter
- circuit type:solid-state RF Power supply, with function of automatch
- Frequency:27.12MHz±0.05%
- Frequency Stability:<0.1%
- Power Output:800W-1500W
- Power Output Stability:<0.3%
- Escaped RF radiation :30cm away from the instrument, electric field: $E < 2V/m$

Sampling System Technical Parameter

- Output working coil inner diameter:25mm
- Torque tube:Three concentric, external diameter 20mm
- Coaxial nebulizer:Outer diameter 6mm
- Double barrel atomizing chamber:Outer diameter 34mm

Gas Flow Controls

- Plasma Argon Flowmeter:(100-1000)L/h(1.6-16L/min)
- Auxiliary Argon Flowmeter:(100-1000)L/h(0.16-1.6L/min)
- Auxiliary Carrier Argon Flowmeter:(100-1000)L/h(0.16-1.6L/min)
- Pressure Maintaining Value:(0-0.4MPa)
- Cooling Water:Temperature:20-25°C,Rate of Flow>5L/min,Hydraulic Pressure>0.1MPa

Technical index of spectrometer

- Grating:Middle step grating,52.67 lp/mm,64 sparkle angle
- Wavelength range:160-1000 nm.
- Numerical aperture: $F \leq 8$, ultra-high luminous flux to ensure the detection limit and sensitivity of the instrument
- Resolution:< 0.0065nm@200nm
- Astigmatism: Equivalent background concentration of 10000 ppm Ca solution at As189.042 nm <2 ppm
- Light chamber:Precision constant temperature,35±0.1°C,Distributed nitrogen purging, normal purging 1.8L/min, fast purging 3.8L/min

Testing device technical specifications

- Detector:CID
- Target Size:27.6mm ×27.6mm,1024×1024 addressing detection units
- Reading mode:Non-destructive read (NDRO), full reading (FF) and arbitrary read integral (RAI)