

Capel-115

Portable capillary electrophoresis system



Capel-115 is a portable capillary electrophoresis (CE) system intended for determination of a wide range of analytes in various types of samples, including water, soil, food, and fodders using main modes of separations available in capillary electrophoresis.

FEATURES AND ADVANTAGES

- Portable, light, and field deployable
- Small footprint
- High separation efficiency
- Multiple components determination in one run
- Suitable for various types of analytes from small ions to macromolecules
- Liquid cooling of capillary ensures high reproducibility
- Fast analysis (most analyses take 5–15 minutes)
- Simple sample pre-treatment (just dilute and filter)
- Low analysis cost (nanoliters of reagents, only low-cost consumables are needed)
- Power supply unit equipped with a built-in rechargeable battery and AC power cord
- IQ/OQ protocols

APPLICATIONS

- Petrochemical industry
- Environmental analysis
- Food and beverages production
- Animal feed industry

SPECIFICATIONS

Detection wavelength	190–400 nm
Analysis	Constant voltage, from –30 kV to +30 kV in 1 kV steps Automatic (electronic) polarity switch Current 0–300 µA Pressure, up to 100 mbar Programmable changing of wavelength, pressure and voltage during analysis
Injection	By voltage, from –30 kV to +30 kV in 1 kV steps; by pressure, from –100 to 100 mbar in 1 mbar steps
Rinsing	By pressure, 500–2000 mbar in 1 mbar steps
Temperature control of capillary	Liquid thermostating, from -10 up to +30 °C from ambient temperature, ±0.1°C
Sampler	Autosampler for 10 vials (standard 1.5 mL)
Power requirements	100–240 VAC, 50/60 Hz or built-in battery 15 VDC
Environmental conditions	ambient air temperature, 10 – 35 °C relative air humidity at 30 °C, not more 80 % atmospheric pressure, 84 – 106.7 kPa
Time of continuous operation with built-in battery	5 h
Dimensions / Weight	290×385×460 mm, 15 kg

EQUIPMENT & OPTIONS

- Capillary electrophoresis system Capel-115
- Spare capillary cassette
- Elforun software package
- Kits & sets for analysis (by request)
- Service agreement (by request)

SERVICES

Installation of Capel-115 CE systems can be carried out at a customer's site by our service engineers.

WARRANTY

All Capel-115 CE systems are covered by a 12-month warranty.



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