

PC-Controlled Atomic Absorption Spectrophotometer

Elemental analysis with PC control and flame atomization. Graphite furnace, hydride and nitrous-oxide configurations must be selected for the application; their availability does not imply inclusion in the base package.



Technical Information

Model	PT-AAS-002
Wavelength range	190-900 nm
Wavelength accuracy	±0.2 nm
Wavelength repeatability	±0.1 nm
Absorbance range	0-2.5 Abs
Spectral bandwidth	0.1 / 0.2 / 0.4 / 1.0 / 1.2 / 2.0 nm
Optical resolution test	Mn 279.5 / 279.8 nm at 0.2 nm; valley/peak <30%
Baseline drift, static	≤0.002 Abs/30 min (Cu)
Instrument mass	80 kg
Instrument dimensions	700×500×430 mm
Grating density	1800 lines/mm
Background correction	Deuterium ≥50× at 1 Abs background; self-absorption selectable
Power supply	AC 220 V
Flame burner length	100 mm (air / acetylene)

Technical Information

Ignited baseline drift	≤0.004 Abs/30 min (Cu)
Flame precision, RSD	≤0.5% (Cu; >0.8 Abs)
Flame detection limit, Cu	≤0.008 µg/mL
Safety	Automatic gas shutoff for low pressure, power interruption, abnormal flame extinction or burner mismatch.

Standard configuration

Main spectrophotometer with PC control functions and air-acetylene flame capability. Confirm the computer, lamps, lamp-position count and supplied accessories in the quotation.

Optional configuration

Nitrous-oxide flame function with 50 mm burner; graphite furnace and hydride-generation configurations. No graphite performance values are inferred from the flame data.

Selection and ordering

Specify elements, matrix, target concentration and atomization method. Confirm lamp positions and complete gas/extraction/utility requirements before order.