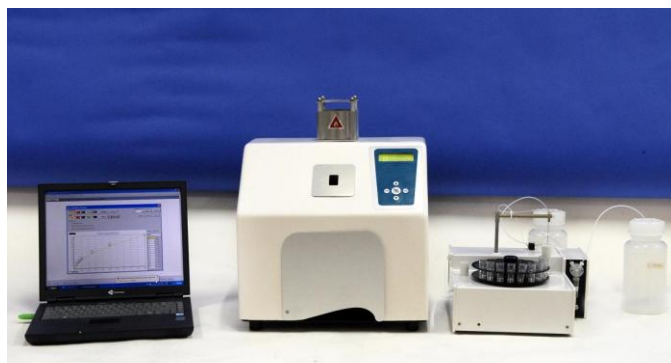




ATS 200S™ SCIENCE / INDUSTRY FLAME PHOTOMETER (HPFP)™ SYSTEM

The ATS 200S series High Performance Flame Photometers (HPFP)™ incorporate the latest state-of-the-art design and technology.

- High Performance Flame Photometer, with ATS LabAssistant™ and PC control
- Analyses Na, K, Ca, and Mg
- Automatic sampling and dilution
- Auto calibration control & monitoring
- Fixed multi-channel optics
- Computer control via ATS MiniSoftWin™



◀ATS 200S™ SCIENCE / INDUSTRY HPFP™▶
WITH ATS LABASSISTANT™ AND ATS MINISOFTWIN™

Model ATS/40998 - ATS 200S™ Science / Industry High Performance Flame Photometer (HPFP)™ System uses a powerful microprocessor – microcontroller and cellular telephone technology for the simultaneous and automatic measurement of up to 4 elements in a single sample aspiration. The system consists of the ATS/40994 Analyser, the ATS/20101 LabAssistant™ with piston type precision auto-dilutor for micro volume dilutions, and the ATS MiniSoftWin™ software. Elements Na, K, Mg, and Ca channels come as standard. Additional channels for Ba or other elements (max. 5) are optional. **Easy operation through 'Yes/No' menu driven commands.** Fixed optical channels – no mechanically adjustable moving filters! Readout of data, functions and audio & visual warnings monitored on large LCD display of 4 lines, 20 characters with green backlight LED. Auto zero and memorization of the Hi-Cal calibration point allows for very easy automatic calibration. The ATS/40998 system allows the seamless analysis of samples, starting from sample dilution through the analysis process, ending with the analysis results, which are either printed on an external printer (optional), or stored and printed via PC. The ATS MiniSoftWin™ software offers a multitude of options for creating methods, storing data, creating statistics and many more; it generates multi-point calibration curves, widens analytical measuring ranges, memorizes & archives methods and analysis data for future re-use and reduces laboratory red tape by over 60%. Provides the user automatically with documentation needed for GLP or the ISO/IEC 17025 Laboratory Quality Standard, with direct internet connection capability, and more.

Measuring Units	: ppm, mmol/L, mEq/L	Technique	: atomic emission spectrometry / flame photometry.
Measuring Ranges	:	Fuel Supply	: butane, propane, LPG.
Na 0 – 200 ppm;	Mg 0 – 200 ppm;	Air Supply	: by air compressor with air buffer tank, oil, moisture and dust free.
K 0 – 200 ppm;	Ca 0 – 200 ppm	Applications	: environmental (water, waste waters, etc.), agriculture (water, plants, soils, fertilizers, animal tissues, feeds, etc.), food laboratories, (beverage, milk, soft drinks, etc.), veterinary laboratories, pharmaceutical quality control, educational sciences, advanced research, industrial quality control and many others.
Reproducibility	: 1% CV for 10 consecutive measurements		
Sensitivity	: typically 0.4 ppm Na, K, or Li		
Detection Limit	: 0.2 ppm for Na and K		
Linearity	: natural linearity extended multi-fold		
Drift	: typically 1 % over 30 min		
Programs	: Software menu with multiple programs		

Dimensions and Weights

ATS 200S Analyser	:	320L X 400W X 400H mm; Net 9 kg	ATS Air Compressor	:	340L x 250W x 350H mm; Net 6 kg
ATS LabAssistant™	:	290L x 300W x 230H mm; Net 7 kg	(PC not included)		

Due to our policy of continuous product development, we reserve the right to deviate from standard specifications and appearance without notice.

ATS/40998-0311

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