



ATS 200S™ ALKALI ANALYSER (HPFP™)

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



- Automatic flame ignition
- Automatic optical flame failure control
- Auto calibration control & monitoring
- Fixed multi-channel optics
- Easy front access for checking air & gas
- Convenient door secures working area

◀ ATS 200S™ Alkali Analyser

Model **ATS/40995 - ATS 200S™ High Performance Flame Photometer Alkali Analyser**, a fixed multi-channel flame photometer with a single element program; uses a powerful microprocessor – microcontroller and cellular telephone technology that permits sequential element selection for up to 5 elements. The standard channels are Na, K, Li, Ca; additional channels (up to 5) for Ba and other elements are optional. Easy operation through ‘YES / NO’ menu driven commands - no moving parts for element selection. 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 single point calibration simplify calibration. Fast calibration needs typically 10 seconds.

Applications: Environmental investigations (water, waste waters, solid wastes, etc), agriculture (plants, soils, fertilizers, animal tissues, water, foods & feeds, etc), petrochemicals, beverages (milk, soft drinks, wine, beer, etc), veterinary laboratories, pharmaceutical quality control, blood & urine, health & educational sciences, advanced research, industrial quality control, mining, cement, and many other industries.

Measuring Ranges	: Na 0 – 200 ppm; K 0 – 200 ppm; Li 0 - 200 ppm; Ca 0 – 200 ppm	Programs	: single element sequential selection
Measuring Units	: ppm, mmol/L, mEq/L	Sensitivity	: typically 0.4 ppm Na, K, and Li
Ambient temperature	: 15 – 36 °C	Detection Limit	: 0.2 ppm for Na and K
Ambient Humidity	: up to 85% R. H. non condensing	Linearity	: natural linearity extended multi-fold
Calibration	: single key Auto-Zero and Auto-Cal routine	Drift	: typically 1 % over 30 min
Reproducibility	: 1% CV at 10ppm for 10 consecutive readings	Air Supply	: air compressor with air buffer tank, oil, moisture and dust free.
		Fuel Supply	: butane, propane, LPG.

ATS advantage... the **ATS/40995** can be upgraded to an automatic sample preparation system by adding to the **ATS/40995** analyser, the **ATS LabAssistant™** and the **ATS MiniSoftWin™** software. Operated through the user's own PC, it becomes a truly hands-off/walk-away analysis station. Up to 5 elements can be selected for analysis in sequential mode. Each element chosen requires instrument calibration. The advantages of this system include:

- multi-point calibration curves
- validation routines
- widens analytical measuring ranges
- memorizes & archives methods and analysis data for future re-use
- reduces laboratory red tape by over 60%
- provides the user automatically with documentation needed for GLP or the ISO/IEC 17025 Laboratory Quality Standard, etc.

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		

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

ATS/40995-0311

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