



## ATS 200S™ SCIENCE / INDUSTRY HPFP™ WITH MG

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



- High Performance Flame Photometer™
- Simultaneous Analysis of 4 elements in a single sample aspiration in 10 seconds!
- Auto calibration control & monitoring

◀ **ATS 40998 MULTI-CHANNEL ANALYSER SYSTEM WITH ATS LABASSISTANT™**

Model **ATS/40997 - ATS 200S™ Science / Industry High Performance Flame Photometer with Mg**; for simultaneous measurement of up to 4 elements in a single sample aspiration. *Standard unit includes Na, K, Mg & Ca channels.* Additional channels for Li, Ba, or other elements (maximum 5) are optional. Uses a powerful microprocessor – microcontroller and cellular telephone technology for *easy operation through 'Yes/No' menu driven commands.* Auto zero and memorization of the single point calibration point allows for very easy automatic calibration. **The new ATS technology eliminates manual controls!** Element channels are enclosed in an optical module and protected from flame and fumes – no mechanically adjustable moving filters! Uses modern electronics and mobile phone technology!

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

**The ATS ADVANTAGE:** The stand alone analyser can be upgraded to form the **ATS/40998** system which includes the **ATS/40997 HPFP™**, the **ATS/57001 LabAssistant™**, a **HP laptop** and **ATS MiniSoftWin™** software. Automates sample preparation for a variety of analyses, eliminating time-consuming manual sample preparation often the cause of errors. Precision micro dilutor assures accuracy and dependability, increases work output and ensures an economic, environmental friendly operation. The **ATS/40998** allows for a complete seamless and hands-off operation; from sample preparation through the analysis routine ending with the analysis results, which can be stored and/or printed – a truly walk-away system. The software is designed to automate method validation routines, provide multi-point calibration curves, widen analytical measuring ranges, memorize & archive methods and analysis data for future re-use and reduce laboratory red tape by over 60%. Output documentation is in the form needed for GLP or the ISO/IEC 17025 Laboratory Quality Standard.

#### 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.

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