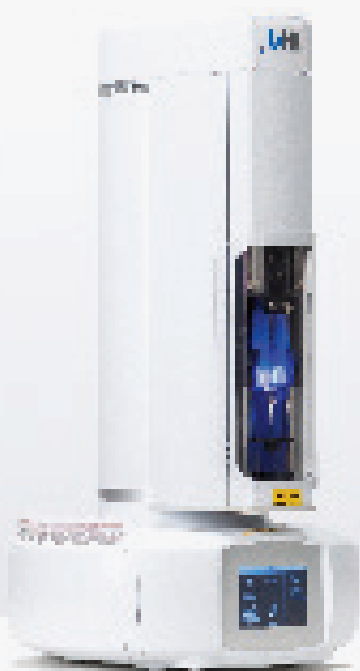


# HR

7000

## Accurate, versatile and reliable liquid autosampler to enhance your TSHR TN/TS/TX Analyzer performance



The TSHR Liquid Autosampler, model HR 7000, is designed to introduce fully automatic, accurate and reliable your liquid hydrocarbon samples into the TSHR range of Combustion Elemental Analyzers for trace level total nitrogen, sulfur and chlorine analysis. The HR 7000 is available in several configurations to meet your laboratory sample types and productivity needs.

The HR 7000 Series Liquid Autosampler is fitted with a 100 uL micro-syringe to take a certain sample volume out of your vial and introduce this automatically into the sample injection device of the TSHR Total Sulfur/Nitrogen/Chlorine analyzer, 6000- and 7000 Series. This process is fully controlled by Athena software for user friendly and smooth operation.

The HR 7000 is available in 4 different configurations to support small and large laboratories and handle routine and challenging sample types. The capability of having a 15 or 121 positions sample tray with or without heated or cooled sample tray, enhance the versatility of your total nitrogen, sulfur and chlorine analyser solution. The optional availability of the TSHR Intelligent Dilution feature on the HR 7000 models will make this autosampler a key solution to your laboratory.

All autosampler configurations are standard equipped with 6 solvent vials, for routine wash sequences between sample analysis, and a high volume vial for collect the waste. An option with external high capacity wash and waste vessel is recommended to support high sample throughput labs.

The communication between the HR 7000 and the TSHR TN/TS/TX analyser runs through an Ethernet cable and supported by Athena software.

### Key advantages

Fit to low and high sample throughput labs

Fully controlled operation through Athena software

Intelligent Dilution and calibration facilities

Routine handling of challenging sample matrices

## Technical specifications

Dimensions	300 x 290 x 570 mm (WxHxD)
Weight	9 kg
Voltage	115/230 V , 50/60 Hz
Connection	Ethernet cable to computer
Sample volume	0 – 80 uL
Syringe	100 uL with 71mm needle ps. 5
Sampletype	Organic liquids which fit through needle gauge 22 with max. delay time of 5 sec
Software	Athena
Sample vial	Screw cap 2 mL vials with septum
Waste option	Available and compatible to all HR 7000 models
Compatibility	TSHR 6000-Series* and 7000-Series

\* Require a HR 7000 support set to install on TSHR 6000-Series

## Available models

HR 7015 model: 15 positions for 2 mL screwcap sample vials

HR 7100 model, 121 positions for 2 mL screwcap sample vials

HR 7100 Plus model, 121 positions incl. 33 positions heated tray for 2 mL screwcap sample vials

HR 7100 C model, 88 positions incl. 33 positions cooled tray for 2 mL screwcap sample vials

Temperature range of heated tray from ambient temperature up to 70°C, at HR 7100 Plus adjustable through Athena software



## Contact info

For Technical support: [technicalsupport@tshrinternational.com](mailto:technicalsupport@tshrinternational.com)

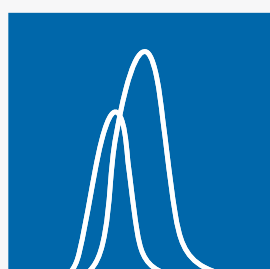
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