SmartNotes



What are the features of the Thermo Scientific EagerSmart Data Handling Software that enable highly productive elemental analysis?

High throughput elemental analysis needs to be supported by powerful software features that allow unattended and automated analysis.

The software supporting the Thermo Scientific[™] Flash*Smart*[™] Elemental Analysis is the Thermo Scientific[™] Eager*Smart*[™] Data Handling Software. From sample to data analysis, this software manages the entire elemental analysis workflow.

The Thermo Scientific Eager*Smart* Data Handling Software allows you to leave the Flash*Smart* EA to work unattended. The analytical parameters, flows, autosamplers and detectors are all software controlled, with suggestions provided for the most favorable analytical conditions for your samples.

The automated functions (Auto-Start, Auto-Stop, Auto Stand-By, Auto-Off and Auto Leak Test) enable optimization of the analysis sequence to facilitate more analyses in less time. Moreover, the unique Thermo Scientific[™] OxyTune[™] Function automatically evaluates the oxygen level needed for combustion, according to the weight and nature of the samples, thereby minimizing oxygen consumption.





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Reports can be customized and the data obtained can be easily exported.

The Thermo Scientific[™] MultiValve Control (MVC) Module is also controlled by the Eager*Smart* Data Handling Software. It allows switching of the analysis from the left to the right configuration increasing the system performance. Also, it allows the reduction of helium consumption by switching from helium to nitrogen or argon (when in Stand-By mode).

These features of the Eager*Smart* Data Handling Software are aimed at delivering ease-of-use, productivity and quality for efficient elemental analysis.

Autosamplers & Detectors	Gases Control	MVC Module	Automatic Functions	Features	Easy Evaluation
MAS Plus Autosampler	– Helium carrier	Control of 2 autosamplers	– Auto-Start	Automatic Heat Values & CO ₂ E.T. calculation	 Status of the EA
AI/AS 1310 - Liquid Autosampler	Oxygen Injection – (OxyTune™ Function)	Switch from left to right furnace	- Auto-Ready	Different protein factors	Calibration methods
TCD Detector	– Argon carrier	Switch from helium to N ₂ /Ar in stand-by mode	 Auto Stand-By 	Humidity value for solids Density value for liquids	<i>Green/Red</i> lights
- FPD Detector	N ₂ /Argon in stand-by mode		– Auto-Off	Automatic Minimal Formula calculation	Simple routine sequence
			 Auto Leak Test 	Automatic – evaluation of C/N, C/H, C/S ratio	Accuracy & tolerance
	67	**	Maintenance	Automated transfer of the weight from the	Export to Excel, LIMS
				balance	Personal reports Multi-language
17 mil					 Multi-language

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