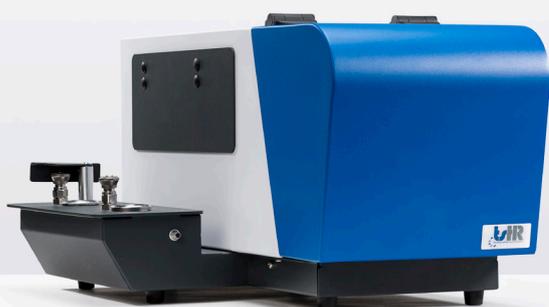


GM

7000

Reliable and analytically sampling of your Gas, LPG and Gasbag samples to enhance your TN/TS/TX Analysis performance

The TSHR GM 7000 is an accurate and reliable sampling module offering easy and flexible measurement of TN/TS/TX in gaseous hydrocarbon matrices. The GM 7000 is available in three different configurations, all includes heavy duty and reliable fast connectors to meet your productivity needs. The new advanced model GM 7000 *PLUS* makes it even possible to handle pressurized and non-pressurized gas samples in a single gas sampling device.



The GM 7000 is designed to connect pressurized Gas of LPG sample cylinder easily and safely in order to safely load the sample loop connected to the 10-port valve of the GM 7000, where a fixed volume of sample will be introduced to the TSHR 6000 and 7000 series TN/TS/TX Analyzer. The GM 7000 is standard equipped with two sample loops: one sample loop with a volume of 10 mL for gasses and one sample loop with a volume of 100 uL for liquefied gas (LPG) samples.

Key advantages

Easy handling of pressurized and non-pressurized gas samples in one single device

Compact design with controlled Athena software operation

Safety sensor to ensure safe sample handling

Dual sample loop design for Gas and LPG samples

The operation is simplified, once the sample cylinder or gasbag is connected to the sample introduction port of the GM 7000, the user just presses the start button in the Athena software to start the analysis. The user defines all sampling parameters from the standard methods, such as: temperatures, number of loop repeats, while an application specialist can further finetune the specific application requests.

The communication between the GM 7000 and the PC goes through a dedicated USB port and the operation through intuitive Athena software. As Athena software also controls the analyzer, this combination makes it very easy to operate and perform accurate measurements of Gas and LPG samples.

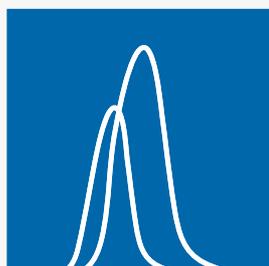
Technical specifications

Dimensions	300 x 290 x 570 mm (WxHxD)	
Weight	18 kg	
Power	Wide input; 115/230V, 50/60 Hz, max: 100 Watt	
Voltage	115/230 V, 50/60 Hz	
Carrier Gas connectors	1/8" SS Swagelok	
Gasses	Ar or He (99,998%) technical grade 4.8	
Primary pressure gas sample	up to 20 bar	
Secondary sampling pressure	2 – 5 bar; internal adjustable	
Primary pressure liquefied gas	up to 20 bar	
Secondary sampling pressure	automatically controlled	
Quick fit connector gas cylinder	¼" Swagelok (SS) QC4 SS Series Swagelok	
Quick fit connector LPG cylinder	¼" Swagelok (SS) QC4 SS Series Swagelok	
Evaporation Temperature	Software controlled, range ambient up to 75°C	
Sample loops	10 mL for gasses and 100 uL for liquefied petroleum gas	
Software	Athena	
Available models	GM 7000:	Gas & LPG module
	GM 7000S:	Sulfinert Gas & LPG module
	GM 7000 PLUS:	Gas & LPG module + atmospheric gasses



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