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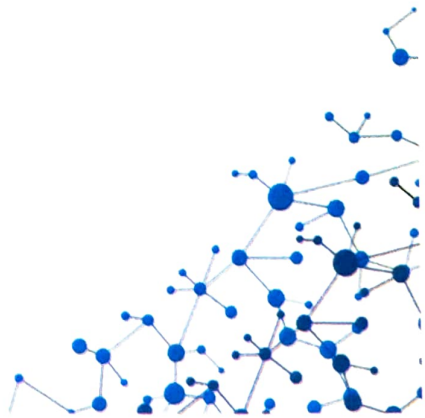
Pre-Installation Guide HS2022

Pre-Installation Checklist

1. Bench and storage space is sufficient ☑
2. Main power 110V or 220-240V ☑
3. There are enough electricity plugs for the system ☑
4. Room temperature and humidity is adequate ☑
5. Gases, regulators & connecting tubing are on site ☑
6. All relevant safety precautions are complied with ☑
7. Sercon instrument has arrived on site ☐
8. Sercon instrument has been inspected for shipping damage ☐
9. System moved to installation site ☐

Gas Requirement Check List for Sercon Instruments

Please check you have all of the required gases necessary for analysis using the table for the inlets you have ordered.



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Gas	Grade	Use	
HS2022			
Helium	99.998	Carrier	☑
Nitrogen	99.999	Tuning / Stability / ref gas	☑
Carbon dioxide	99.999	Tuning / Stability / ref gas	☑
Hydrogen	99.999	Tuning / Stability / ref gas	☑
PyroEArth			
Helium	99.998	Carrier	☐
Oxygen	99.998	Combustion	☐
Compressed Air		Solenoid Operation	☐
EA			
Helium	99.998	Carrier	☐
Oxygen	99.998	Combustion	☐
Compressed Air		Solenoid Operation	☐
HT-EA			
Helium	99.998	Carrier	☐
Compressed Air		Solenoid Operation	☐
GC-CP			
Helium	99.998	Carrier	☑
Oxygen	99.998	Oxidation of combustion tube	☑
Synthetic Air [Zero Grade]	20% O_2 /80% N_2	Flame Ionization Detector	☑
Hydrogen	99.999	Flame Ionization Detector	☑
Liquid Nitrogen		If N_2 combustion option selected	☑
Cryo Range			
Helium	99.998	Carrier	☐
Oxygen	99.998	Oxidation of combustion tube	☐
Liquid Nitrogen		For sample preparation	☐
µCarbs* **			
Helium	99.998	Carrier	☐
Aqua			
Helium	99.998	Carrier	☐
Carbon dioxide	99.999	Equilibration Gas**	☐
Hydrogen	99.999	Equilibration Gas**	☐

*** Phosphoric acid is required for carbonate / DIC measurements

**Pure H_2 and CO_2 can be used for the equilibration of water samples but may affect the results of smaller water samples (<100µL). 5% gases (i.e. 5% H_2 or CO_2 in helium) are preferable for smaller samples and give

more manageable sample sizes in general. The use of 5% gases is recommended but is at the customer's discretion.



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Contact Name:	+6014-8344384	
Customer Name:	MOHD HALIMHILMI BIN ZULKIFFLI	
Address:	AMSPEC INSPECTION MALAYSIA SDN BHD	
LOT PT 11606 TAMAN INDUSTRIAL PAKA		
23100 DUNGUN, TERENGGANU		
Tel No:	-	Email: halim.hilmi@amspecgroup.com
Fax:	-	
Date of delivery:		
Customer Signature		
Date:	10 November 2026	

Please return to service@sercongroup.com

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