

Frequently Asked Questions Helium Analysers

Questions	Answers
How long to warm up	seconds
Do I need a Flowmeter	NO <ol style="list-style-type: none"> 1. A fixed orifice giving 1-2 litres /min is the preferred choice 2. Alternatively use the restrictor supplied and the pillar valve of the cylinder. Open until a gentle hiss is heard add the tubing and wait until the reading stops climbing. Switch off the cylinder the both O2 & He readings may quickly fall to back pressure. This is the reading you require
How do I calibrate	<ol style="list-style-type: none"> 1. Oxygen 20.9% in air 2. Oxygen 100% in O2 3. Helium set zero in air 4. Use 100% Helium to set the span
How do I check accuracy	<ol style="list-style-type: none"> 1. Use 100% Oxygen and 100% Helium and mix through a Tee piece. 2. Adding the O2 reading to the He reading should be about 100% (usually 101%
Why ? When I check 100% Oxygen the He reads Approx 1.7%	Oxygen Has a higher Thermal conductivity than air so reads higher.
I cannot set the O2 sensor down to 20.9%	Oxygen is difficult to remove from the sensor and can take several minutes, Flush out the system with air using the restrictor
What is life of Oxygen sensor	Estimated 36 months in Air. This is based on a 70% anode consumption as 100% is impossible.
What is the life of the Helium sensor	7 to 20 years if looked after