
QUICKSTART GUIDE

MODEL 9070

O₂/CO₂ Analyzer

Headspace Atmosphere Test





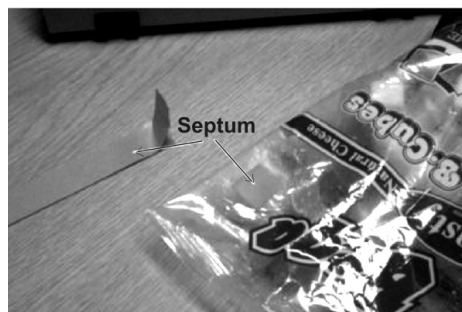
GETTING STARTED

This Quickstart Guide is designed to get you set up and operating your Teledyne Analytical Instruments Analyzer quickly. It shortcuts the details so you can use your new analyzer with a minimum of fuss. This Quickstart Guide should be used in conjunction with the Instruction Manual that shipped with your instrument. Only necessary features to get you operational are discussed in this guide. Many of the advanced features of this analyzer are not described here so you should refer to the Instruction Manual to get the most from your analyzer

Headspace Atmosphere Test

Assuming the analyzer has been setup properly according to the manual that shipped with your instrument, follow the steps below to analyze a contained atmosphere.

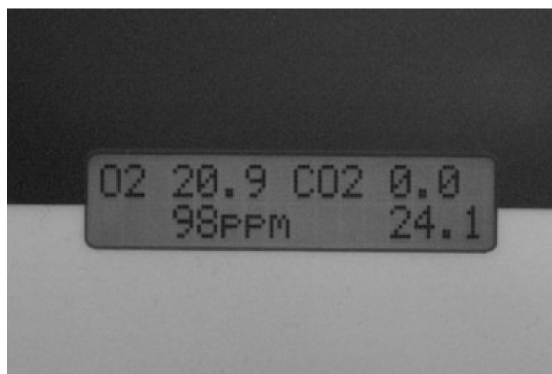
- From step 31 in the analyzer's setup menu, select "Display Sample" (factory default).
- Allow a 20 minute warm-up period for the zirconia oxygen sensor to stabilize.
- Turn the pump ON.
- Place the septum on the packet to be tested. Choose an area where the hypodermic needle will not make contact with the product inside as it is inserted through the septum and into the atmosphere to test.
- Insert the hypodermic needle into the packet through the septum as shown below.



- The pack will slowly collapse as the analyzer draws the atmosphere from within. At a flow rate of 0.15 liters per minute, a stable reading takes about 5 to 6 seconds for oxygen and about 10 to 12 seconds for carbon dioxide.



- Withdraw the hypodermic needle from the pack. The analyzer will hold the lowest oxygen reading and the highest carbon dioxide reading and display the readings on the lower line. Once the analyzer rises to the reset level (factory default 15% O₂) it is then ready to measure the next sample.



Filters

Two filters are included with the probe: A white disposable 2-micron filter and a reusable blue water trap filter.

- If the product has particulate present, such as milk powder, coffee, cheese slices, etc., you must use the included **white disposable 2-micron filter**.
- If there is a possibility of fluid entering the sample line, the **blue water trap filter must** be used. The blue filter (0.2-micron) will not allow the fluid / water to enter the sample line that would otherwise destroy the zirconia oxygen sensor. This filter can be dried and re-used.
- If particulate and water are present then both filters should be used. Use the white one first to catch particulate followed by the blue water trap filter as shown.

