



QUICK START GUIDE

FOR

PRO HE HELIUM ANALYZER



P/N He-CS
Rev 2



DANGER



This instrument is designed to monitor the helium concentrations in a gas mixing process. When processing gas mixtures intended for breathing, the instrument must be calibrated and functioning properly. Suffocation or other fatal respiratory complications can result from improperly calibrated or malfunctioning equipment.

Oxygen accelerates combustion. Do not use this instrument around open flames and combustible gases, liquids or solids.

Only authorized personnel should conduct maintenance and/or servicing. Before conducting any maintenance or servicing, consult with authorized supervisor/manager.

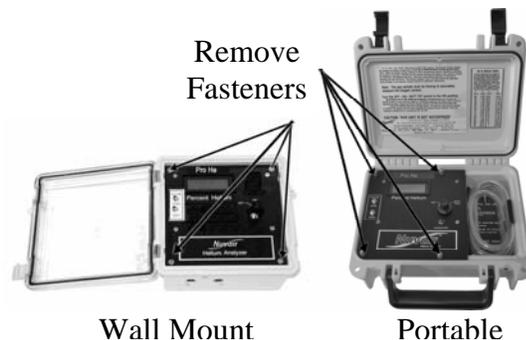
Quick Start Guide for Pro He Helium Analyzer

Thank you for purchasing Nuvair's PRO HE Analyzer. This Quick Start Guide describes the steps to successfully install, calibrate and use your new instrument. This guide covers both the wall-mount and portable units. For full details on the use and maintenance of your new instrument please refer the Users Manual.

Components

The PRO HE Analyzer includes:

- Analyzer
- 6 VDC Power Adapter (optional for portable model)
- 3/16 vinyl sample inlet tubing (portable model only)
- Batteries (portable model only)
- Sample adapters
- Instruction Manual



Startup

Getting your unit operational:

1. Install the batteries (portable model) or AC power adapter on the wall mount unit.
2. Calibrate the Instrument
3. Connect to gas sample

Battery installation

Using a screwdriver loosen the two captive screws holding the battery compartment door. Install the batteries observing proper polarity. Re-install the battery compartment door and check the batteries by moving the ON-OFF switch to the BATT test position.

6 VDC Power adapter

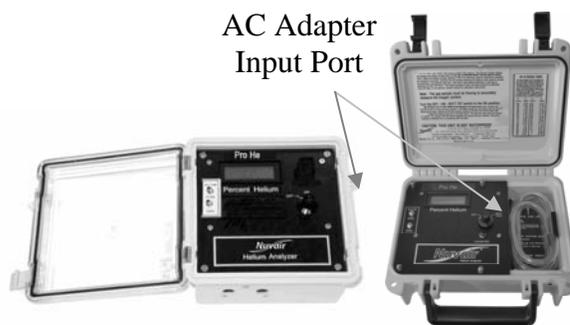
On the portable model the AC Power Input Port is adjacent to the ON/OFF-BATT switch. On the wall mount unit the input connection is on the right side the enclosure. See adjacent photo.

Note: Use only the correct power adapter for your location.

Gas Connections

Portable model: The portable model is supplied with a 3/16" vinyl hose connected to the inlet port and adapters for taking a gas sample from the inflator hose (See Figure 1). An optional flow restrictor is available for sampling gas directly from cylinders. (See Figure 2)

Wall Mount: Do to the complexity of the wall mount sampling system please refer to the user's manual for installation details.

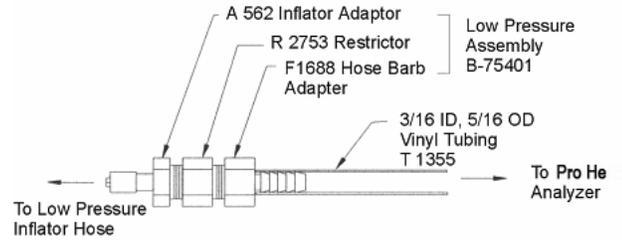


Calibration

Note: The sample gas must be flowing to accurately calibrate the instrument

Helium sensor

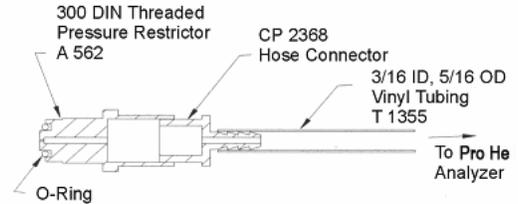
The Helium sensor is supplied fully calibrated and should not require adjustment for approximately 30 days. For calibration information please refer to the instruction manual.



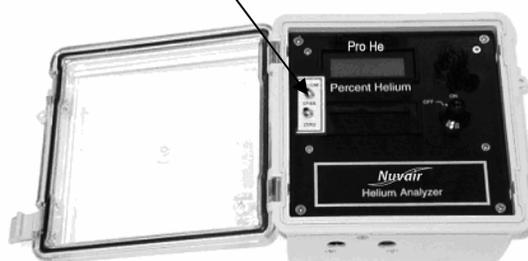
Operation

To operate the **PRO HE**

1. Turn the power on.
2. Attach the sample line using the supplied adapters and allow the gas to flow into the instrument at 1-2 LPM. If the readings on the LCD display appear wrong shut the gas off and observe readings. If they drop within a few seconds the gas flow is too high. Reduce flow or use the cylinder valve to turn the gas on and off until a stable reading is achieved.



Helium Span and Zero Control



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