

Voltage Test for PATI-100 Air Sampler

Purpose: To make certain pump has adequate voltage for continuous test operation

Frequency: Every week with constant usage, every month with minimal usage

Specification: B-Series Pump (Serial HAC-B###): Voltage in excess of 4.5 DCV
C-Series Pump (Serial HAC-C###): Voltage in excess of 3.35 DCV
will operate the pump for a minimum of 1 test.

Make sure pump is **powered off**. Remove the plastic caps from the voltmeter probes. Two holes in the side of the B-Series pump or top of the C-Series pump will allow access to two battery terminals. Turn on volt meter as shown (DCV-20). Use volt meter to measure the DC voltage across these two battery terminals.

B – Series Pump



C- Series Pump



Note: No harm will come to the pump if the measurement leads are accidentally reversed. The resulting voltage will show negative instead of positive, but the value remains the same.

If the voltage is less than 4.5V B-Series or 3.35V C-Series, it is recommended that the batteries be replaced.