



Flow Generator

601-3188-001

USER MANUAL

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Essential Safety Notes

This section describes potential hazards which may exist in the operation of these units. A number of warning labels and symbols are affixed to your instrument. These symbols are used to inform you of potential dangers which may exist or where caution is required.

THE PROTECTION GIVEN BY THE EQUIPMENT MAY BE IMPAIRED IF USED IN A MANNER NOT SPECIFIED BY THE MANUFACTURER.

Environmental Conditions

- Indoor use
- Altitude up to 2000 m
- Storage and operation range: 4°C to 40°C; 10% - 80% Rh, Non-condensing
- Mains supply voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage
- Supply voltage, 12Vdc, 1A
- Overvoltage Category 2
- Pollution degree 2

Hazards and Warnings

This instrument is subject to the following identified hazards:



DSI cannot guarantee the safety of this device if used other than intended or used by any procedures other than those described in this manual.



The AC/DC adapter requires connection to protective earthing (ground), only use with a power supply outlet and power supply cord that provides protective earthing.



Only use a detachable power cord that allows for protective earthing and is a minimum of 18 AWG. This cord will need to have appropriate agency approvals, such as UL, CSA.



Do Not Operate with Suspected Failures

If damage is suspected on or to the product, do not operate the product. Contact qualified service personnel to perform inspection.



Orient the Equipment Properly

Do not orient the equipment so that it is difficult to manage the disconnection device.



Place Product in Proper Environment

Review the operating manual for guidelines for proper operating environments.



Observe all Warning Labels on Product

Read all labels on product to ensure proper usage.

Before installing your new unit, please take time to familiarize yourself with these warnings and symbols:



Direct Current (DC)



Caution

Application Overview

The Stand-Alone Generator provides unregulated, unconditioned free flow atmospheric air at a flow rate of ~8LPM. An internal DC linear piston pump provides both positive and negative air flow for which there are several potential applications, including but not limited to aerosol sampling off an inhalation tower, when paired with some sort of regulation mechanism. Although not the intended use, the Stand-Alone Flow Generator could provide fresh air for respiratory or exposure systems, but that requires situations where software control isn't necessary.

System Components

Front View

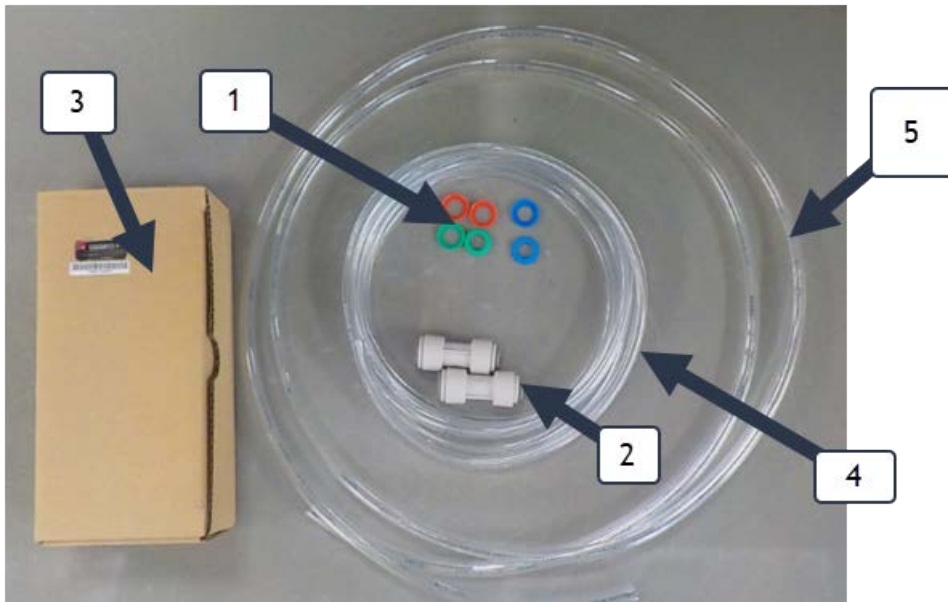


Rear View



Accessory Parts

The following items are included with the Stand-alone flow generator and can be purchased as a separate kit (601-6142-001)



REF	QTY	Part Number	Description
1	2	007566-001	FIT, PC, COVER, 5/16, BLUE
	2	007567-001	FIT, PC, COVER, 5/16, RED
	2	007568-001	FIT, PC, COVER, 5/16, GREEN
2	2	008750-001	FIT, PC, 1/4" - 5/16", ACETAL
3	1	009849-001	POW POWER SUPPLY 60 W
4	6 ft	010175-001	TUBE, CLEAR, TYGON, 1/8" X 1/4"
5	6 ft	010179-001	TUBE, CLEAR, POLYUR, 3/16" X 5/16"

Contact Information

We are available to help you with your questions and concerns. Should you hit a roadblock or need some additional training, please feel free to visit the DSI Support Center at <https://support.datasci.com> to find articles and helpful information in our knowledge base, Chat with an agent, or setup time to receive one-on-one consultation. We are happy to help!

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