

Em-Lite II Sampling Pump



EMLab P&K
A TestAmerica Company

Thank you for purchasing the EM-Lite II Sampling Pump!

This linear pump is great for sampling for fungi and bacteria in Indoor Air Quality investigations with slide impaction cassettes and Petri dishes. This highly efficient pump, weighs only 5lbs, and is very easy to use. The EM-Lite II pump is quiet in operation, has very few moving parts, and consumes very little power.

Routine Maintenance

The EM-Lite II high volume pump does not require any specific maintenance. Make sure not to subject this pump to significant back pressure sampling as it can cause the pump motor to overheat. Take care of the black plastic head and exhaust of the pump as any sort of sudden shock can cause the plastic housing to crack which can result in loss of flow during sampling.

Calibration of the pump is also highly recommended. Although there isn't any industry standards for how often you should primary calibrate your pump, the more often you do, the more assurance you have in knowing your pump and rotometer combination works as it is intended to. The rotometer attached to the high volume pump is considered a "secondary" means of calibration. Therefore, it has a % of error of +/- 1.2 Lpm. Look for a NIST certified "Primary" calibration device to properly calibrate your high volume pump. Documentation of primary calibration done to your pump is also highly recommended.

Contact EMLab Products division at products@emlabpk.com for any questions about primary calibration of your pump.



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IMPORTANT SAFETY INFORMATION

DO NOT

attempt to service the sampling pump while it is running or connected to electrical power.

oil the pump.

kink power cord; never allow cord to come in contact with oil, grease, hot surfaces, or chemicals.

use ungrounded electrical receptacles.

use undersized electrical extension cords or wiring.

DO

protect all power cords from damage or puncture.

protect clear airline from damage or puncture.

use grounded electrical connections.

disconnect power source before attempting to service sampling pump.

make certain that the power source conforms to the requirements of your equipment.

change inlet and exhaust filters (inside jars) during regular cleaning and maintenance between jobs.

NOTE:

For information on how to operate this sampling pump, please contact EMLab P&K Products:

Phone: 1.888.836.5227

Email: products@emlabpk.com



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OPERATING INSTRUCTIONS

- 1.) Unpack Sampling Pump
- 2.) Plug into standard 110V outlet.
- 3.) Connect vinyl tubing to brass hose barb. Run other end of tubing through hole at top of tripod stand and connect the needed sampling cassette. Adjust cassette angle by pulling tubing through hole.
- 4.) Turn on sampling pump.
- 5.) Set flow rate. The Sampling flowrate is set at the middle of the BB in the rotometer.

STEPS TO ESTABLISH SAMPLING RATE

- 1.) Attach sampling cassette to end of vinyl tubing.
- 2.) Place cap on cassette with cowl.
- 3.) Attach flow meter to cassette cap by use of 4" tube provided.
- 4.) Turn on pump.
- 5.) Hold flow meter while adjusting knob to desired flow. The Sampling flowrate is set at the middle of the BB in the rotometer.
- 6.) To secure red lock ring, install locking clip above ring. To remove lock ring, pry free with screwdriver.
- 7.) Detach flow meter and cassette cap from sampler.



SPECIFICATIONS

GENERAL DESCRIPTION

This low-maintenance oscillating pump is designed for mold sampling. It is lightweight and easy to use. It has an adjustable flow meter/regulator.

CONSTRUCTION

- Rigid metal base & housing
- Built-in plumbing
- Adjustable flow meter/regulator
- Powder coated gray
- Rubber feet
- Built-in handle

PUMP

Type:	Oscillating double diaphragm
Performance:	3-30 LPM

MOTOR

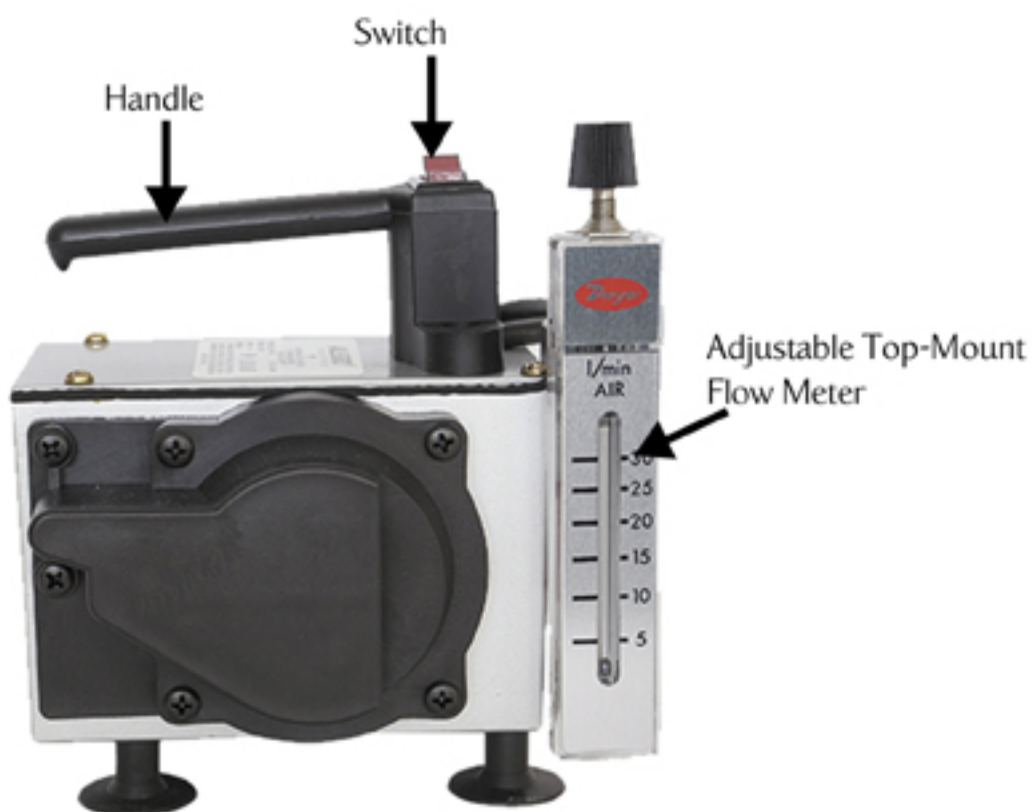
Specs:	115 Volt AC, Single Phase 60 Hz
Cord:	6.5' AWG 16/3 SJ00W
Plug:	Integrated NEMA 5-15
Switch:	Built into handle

MOTOR DIMENSIONS

Length	Width	Height	Weight
6"	6"	6.25"	5 lbs, 5 oz



DIAGRAM



WARRANTY

LIMITED ONE-YEAR WARRANTY

Open carton and inspect product for damage caused by carrier. If any damage is found, report and submit claim to carrier.

Damage resulting from carrier handling abuse is not covered by product warranty. Protect your interest: inspect product immediately. The following warranty is made in lieu of all other warranties expressed, implied or statutory, including but not limited to, the implied warranties of merchantability and fitness for purpose.

In the event any Allegro Industries product is found to be defective in material, workmanship, or not in conformance with any expressed warranty for a specific purpose. Allegro's only obligation and your exclusive remedy shall be to repair, replace, or refund the purchase price of such parts or products upon a timely notification thereof and substantiation that the product has been stored, maintained, and used in accordance with Allegro's written instructions.

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LIMITATION OF LIABILITY: Except as provided above, Allegro shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential, arising out of the sale, use, or misuse of Allegro Industries products, or the user's inability to use such product. THE REMEDIES SET FORTH HEREIN EXCLUSIVE.

Your Em-Lite II Sampling Pump was purchased on _____

Packed and inspected by _____

Sampling Pump Serial Number _____



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