

Electric High Pressure Diffuser-Economic EHPD-ECO

Quick Start Guide



Model No. E310

Designed & Manufactured by **MICRONVIEW**

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1. Safety Instructions

Caution
Do not use the device near ethyl alcohol, paint thinners or any other flammable materials. If flammable materials enter the device and contact internal electrical components, it could be a fire hazard.
Do not place any containers with water or liquid on the device. Shut down the device immediately when any liquid falls into or splashes into the device. In addition, if the power cord or any cables are connected, disconnect immediately. Unplug the power cord entirely.
Do not disassemble or modify the device.
Do not use an AC adapter that is not supplied by PMT, or it could be a fire hazard.
Use only a PMT-supplied battery when the battery needs replacement. Shut down the device and disconnect the plug to avoid potential electric shock.

Notes:

1. The power supply requires AC 100-240V, 50/60Hz. A regulated power supply is recommended if the local power grid does not meet the requirements.
2. The device should be stored away from direct sunlight.
3. Do not allow corrosive gases, fumes or liquids to enter the inlet.
4. Make sure the sample tubing is free from obstruction when connecting.
5. If the battery is not in use for a long period of time, the battery will initiate a self-protection mode. Plug in the AC adapter to reactivate the battery. It is recommended to charge the battery every 3-5 months.

2. Unpacking and Installation

- a. Open the packing container carefully, and check that all parts in the following list are present.

No.	Part name	Part No./Picture
1	Outlet tubing adapter	H2.0061/0081/0101/0141/0161/0201 
2	AC adapter	E1.G601 

No.	Part name	Part No./Picture
3	Power cord	E1.CN01 
4	Dust cover for air inlet	D1.E001 
5	Dust cover for air outlet	D1.E002 
6	Plum hexagon wrench	T0.T101 
7	Carry case	C1.E001 

b. When replacing the battery, remove the battery cover on the back of EHPD-ECO to replace the battery.



3. Operation

Startup: Press the  button, the **【Power】** indicator and the **【Sampling】** indicator appear bright green. If the gas inlet has pressure, the **【Pressure】** indicator appears bright green.

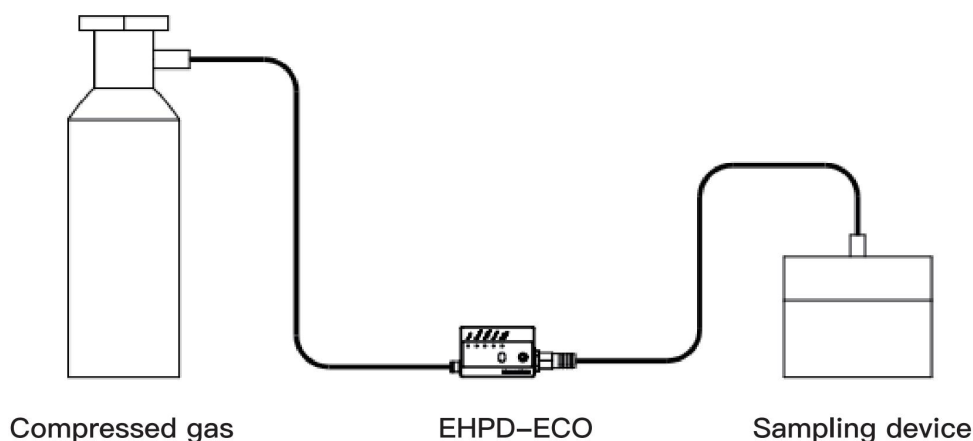


3.1 EHPD-ECO Indicator Status Table

Name	Sign	Indicator light status	Device status
Power indicator	Power	Bright green	Power on and the power is greater than 50%
		Bright red	Power on and the power is between 20% - 50%
		Red flashing light	Power on and the power is less than 20%
		The light goes off	Power off
Charging indicator	Charging	Bright green	Fully charged
		Bright red	Charging
		The light goes off	Adapter not plugged in
Sampling indicator	Sampling	Bright green	Sampling or waiting for sampling
		The light goes off	No sampling or not suitable for sampling
Pressure indicator	Pressure	Bright green	Pressure is present and normal
		Red flashing light	Too much pressure
		The light goes off	No pressure
Clean-Pressure Release indicator	Clean- Pressure Release	Green light	Cleaning or decompressing
		The light goes off	Stop cleaning or decompressing

3.2 Sampling

Connect the compressed gas, EHPD-ECO and sampling device with gas tubing (ID:5mm).

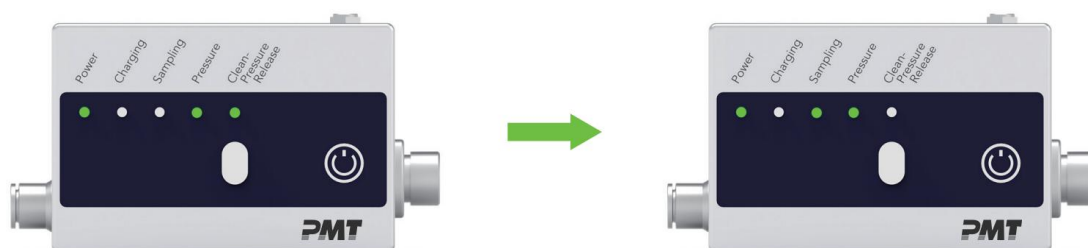


Press the **【⏻】** button to turn on the device and enter the sampling preparation state at the same time, the **【Pressure】** indicator and the **【Sampling】** indicator appear bright green at the same time. When the back-end sampling device is turned on for sampling, the device enters the sampling state.



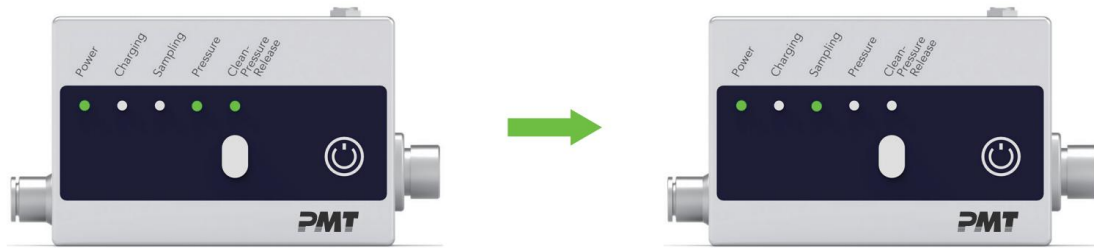
3.3 Cleaning

Press the **【🔍】** button, the **【Clean-Pressure Release】** indicator appears bright green, the **【Sampling】** indicator goes off, EHPD-ECO enters the cleaning state. After the end of cleaning, press the **【🔍】** button again, the **【Sampling】** indicator appears bright green, the **【Clean-Pressure Release】** indicator goes off, EHPD-ECO exits the cleaning state.



3.4 Decompression

Confirm to close the compressed gas, press the **【🔍】** button, the **【Clean-Pressure Release】** Indicator appears bright green, the **【Sampling】** indicator goes off, EHPD-ECO enters decompression state. the **【Pressure】** indicator is off indicating decompression is complete, press the **【🔍】** button again, the **【Sampling】** indicator appears bright green, the **【Clean-Pressure Release】** indicator goes off, EHPD-ECO exits the decompression state.



4. Shutdown

Before shutting down the device, it is necessary to confirm that the device has been decompressed. After decompressing, the **【Pressure】** indicator light goes off. Long press the **【⏻】** button to shut down the device. All indicator lights go off.



Notes:

1. If the **【Pressure】** indicator light is green, it means that there is pressure at the air inlet, and it should be decompressed before shutdown;
2. If there is no pressure and no operation on the device within 10 minutes, it will automatically shut down.