



Applied Physics, Inc.

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Nano Particle Technology

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Clean Room, FogGun Portable Fogger



The patented ultrasonic Portable Fogger produces a cool, non-contaminating visible fog vapor, with instant On/Off control. The Fog is generated by ultrasonic transducers and composed of DI water droplets. A true portable fogger using battery packs for power and no power cords for operation, It is used for visualizing airflow patterns and turbulence in clean spaces or around equipment. Power is provided from 2 sets of battery packs, a hip held, 48VDC rechargeable battery pack. The transducers have a normal life of 10,000 hours. To protect the transducers, a level sensor and tilt switch are utilized during operation to ensure fog is produced while protecting the components. The FogGun produces 3-4 CFM of pure fog using DI water or WFI water. The Rolling Carry / Storage Case is included with the FogGun to provide convenience of transport and storage. This battery powered,

hand-held, on-demand, ultrasonic Di Water fogger meets the criteria for portability. The Portable Fogger can be switched from low to high, fan airflow output; while the mode of operation can be switched from constant fog to trigger fog output. A water level float sensor is provided and a 15 degree tilt sensor protect the operation of the fogger during portable operation.



The convenient shoulder and hip harness allows the technician to carry the Portable Fogger and conduct fog tests without a trailing power cord, switching between a **TRIGGER MODE** or **CONTINUOUS MODE** can providing an "On Demand" fog or continuous fog. The airflow can be switched from low to high, just as easily as the mode of operation. The Portable FogGun is conveniently attached to the shoulder harness/battery pack frame for hands-free testing.

The Portable Fogger allows the technician to visualize airflow, air patterns and turbulence in tight areas and hard to reach areas of your clean room and around your tools.

The battery pack is charged up separately using 120VAC or 220VAC, and a 2nd battery pack is included



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SPECIFICATIONS

DIMENSIONS:	10" x 7" x 11.5" (254 x 178 x 292)
DI WATER CAPACITY:	300ml
FOG LIFE:	30-40 minutes
BATTERY CHARGER INPUT PWR:	110 – 240VAC
DRY WEIGHT:	5.2 lbs. (2.36 Kg)
BATTERY LIFE:	~40 Minutes
FOG DISTANCE:	3 feet (0.9m)
BATTERY CHARGING TIME:	6-8 hours

PORTABLE FOGGER MODES of OPERATION



- **TRIGGER MODE:** With the MODE switch in this position fog will be generated as long as the trigger is depressed.
- **CONTINUOUS MODE:** With the MODE switch in this position fog will be generated continuously.
- **NOTE:** Either mode can be used with the FOG-GUN using the shoulder mount or on a work surface.

FOGGER COMPONENTS



- Portable FOG-GUN
- Battery Pack (2)
 - Battery Charger
 - Power Cable
 - Battery Cage
 - Shoulder Harness
 - Rolling Storage & Transport Case is included with fogger



Notes:

1. The fog generated by this device contains microscopic droplets of DI water.

AVOID USING IN IMMEDIATE VICINITY OF ELECTRICAL APPLIANCES, WATER SENSITIVE PRODUCTS AND EQUIPMENT.