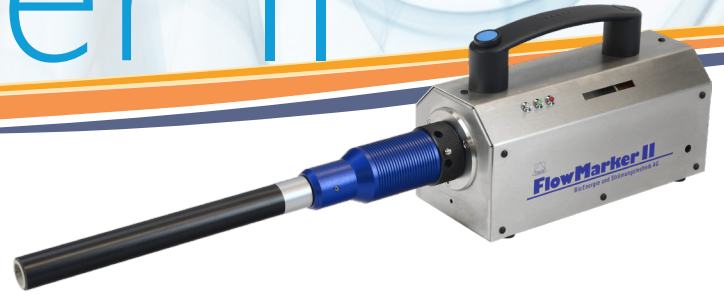


# FlowMarker II<sup>TM</sup>



## Applications

- Data Center
  - Rack Airflow Analysis
- HVAC
  - Vent Testing (COSHH)
  - NIBS Building Envelope Commissioning
  - TABS Certification
  - Leak Detection
- Information Technology
  - Filter Clog Analysis
- Laboratory & Research
  - Laminar & Sash Flow Validation
  - USP 797 Validation

## Overview

The FlowMarker II<sup>TM</sup> is the industry tool of choice in portable, completely safe, non-residue forming flow visualization tools for electronics, industrial, pharmaceutical, process and scientific experimentation markets.

Sold in 5 configurations for distinct applications, the FlowMarker II<sup>TM</sup> is used by Fortune 500 companies throughout the world in their product design laboratories, testing facilities, and manufacturing plants.

Certification, as well as test & measurement companies use the FlowMarker II<sup>TM</sup> as their tool of choice for field work due to its portable nature, extended flow capability, and long residence time.

The FlowMarker II<sup>TM</sup> is also ideal for customers that are concerned about preventing residue and toxicity left over from testing.

## Advantages

- **More accurate airflow evaluation**  
Detect and "mark" air currents, without creating disturbances.
- **Fast**  
Visualize turbulence, directionality, and potential dead spots with the touch of a button.
- **Eliminates risk of contamination**  
Fog is non-toxic, bacteria-free, and breaks down completely into carbon dioxide and water.
- **User-friendly**  
Lightweight, small, and portable design allows operation in places that are awkward or hard to reach.
- **Proven**  
Successfully used in a wide range of demanding applications, including pharmaceutical development, electronics cooling, room ventilation, animal cage environments, clean rooms, and wind tunnels.
- **Tamper Proof**  
Only certified pure FlowMarker<sup>TM</sup> fluid can be used for refill, providing assurance of contamination-free testing.
- **From the Airflow Experts**  
Used in conjunction with degreeC's precision air velocity sensors, the UAS-series, the Flowmarker II<sup>TM</sup> is a perfect companion tool to visualize the flow profiles under study.



### The FlowMarker II<sup>TM</sup> comes in its own transport case and contains:

- Flowmarker II<sup>TM</sup> Device
- Application Tube
- Rechargeable Lead Acid Battery 12V DC
- Battery Charger (International)
- Tool for Removing the Condensate Rings
- 5x Pieces of the Condensate Ring (large)
- 5x Pieces of the Condensate Ring (small)
- 1x Aerosol can of FlowMarker-Fog Fluid
- instruction Sheets: Repair and Tank Overfilling
- MSDS Data Sheet

## Degree Controls, Inc.

is an ISO-9001 certified, world-class designer and manufacturer of airflow sensing, monitoring, and control solutions. With over 20 years of proven experience, we pride ourselves on delivering solutions which provide the value, differentiation, and service required by our customers, to meet the rapidly changing competitive landscape that they face.

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# Accessories Hydra System

The Hydra System extends the FlowMarker II™ nozzle up to 16 feet from the FlowMarker II™ body. With the fan assisted module, flexible hose, and optional nozzles, the Hydra can deliver fog to remote locations by eliminating the fog condensing unit and technician from the field of testing. The Hydra can also be used in a containment room as an extension of the FlowMarker II™ by quickly moving within a 16 foot radius to check ventilation and airflow gaps in electrical vias.

## Remote Control

The remote control system allows the user to set up an experiment, and use a remote control to simply turn fog flow either on or off. This allows hands-free operation for lengthy set-ups, where system parameters need to be modified during flow tests.

## Models and Part Numbers

- FlowMarker, complete set part # FM51000
- FlowMarker, including wireless remote part # FM51000RC
- FlowMarker, complete set, Hydra model (flexible tube is 3 meters) part # FM51000H
- Flowmarker, complete set, Hydra model including wireless remote part # FM51000HR
  
- Flowmarker-Fog Fluid Canister part # HDW-000130

## Specifications

FlowMarker II™ Instrument Dimensions	210 mm x 90 mm x 135 mm [8.3" x 3.6" x 5.3"]
Flow Tube Dimensions	286 mm [11.25" long] 20 mm [.79"] diameter of tip
FlowMarker II™ Instrument Weight	2.5 kg [5.5 lbs]
Battery Voltage	12 V
Battery Capacity	2Ah Pb rechargeable
Battery Charging Time	14 hours
Fluid Reservoir Capacity	16 mL [0.54 oz]
Fluid Consumption	0.7 mL/min [0.02 oz/min] Operates 20 minutes continuously with full fluid reservoir 420 cycles, 3 seconds each Auto power-off after 4 minutes without activity
Warm-Up Time	20 seconds
Flowmarker-Fog Fluid Canister, #HDW-000130	Volume: 73 ml [2.5 fl oz] Unpackaged Weight: 0.1 kg [0.21 lbs] Freshness period of canister is 24 months Fluid should not be stored below -15 °C [5 °F] Fluid should not be stored above 30 °C [86 °F]

