



Your cardio-respiratory partner

Data you can rely on.  
People you can trust.



## Vitalograph AIM

### For effective inhaler training on dry powder and metered dose inhalers

The unique Vitalograph AIM™ (Aerosol Inhalation Monitor) is designed to assist medical practitioners in training subjects to use their inhaler correctly. Mastery of the correct technique will support more accurate drug delivery and good patient compliance, resulting in better disease management and fewer visits to medical professionals.

### AIM validates good technique in the use of DPI and MDI inhalers:

The AIM uses a hygienic single-use disposable inhaler simulator to provide clear feedback and information to support correct technique regarding:

- Inspiratory acceleration at start of inspiration
- Timing of firing of MDI / activation of DPI
- Inspiratory flow rate throughout inspiration
- Inhalation time within target flow range
- Breath hold time at end of inhalation

### Benefits of the AIM:

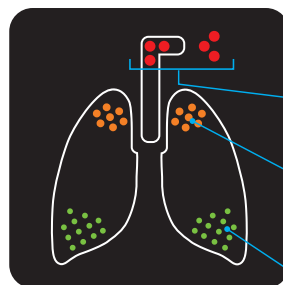
- Validates effective use of an inhaler
- Identifies correct choice of inhaler device type
- Identifies and quantifies poor inhaler technique
- Objective identification of proper use of the inhaler device
- Assists in training patients to use their inhalers correctly
- Provides clear feedback and instructions to subject and trainer
- Easy to use, hygienic and low cost
- Can optionally be used with a spacer



A summary result is displayed to clearly illustrate the difference between good and poor technique. The parts of the inhalation process which a subject has yet to master, including factors that are difficult to observe by eye, are clearly highlighted thereby enabling physicians to concentrate on specific aspects of subject technique.

- Displays aspects of the technique that were good or poor

## Technique Good/Poor Summary:



### Fail (Red):

Sub-optimal inspiratory flow rate or the inhaler was not activated/fired

### Poor (Orange):

Not met inhalation time or breath hold too short

### Good (Green):

Correct force of inhalation with adequate inspired volume and breath hold time

## Technical Specification:

**Product:** AIM (Aerosol Inhalation Monitor)

**Model Number:** 4500

**Power Supply:** Battery AAA x 4

**Weight:** Net: 260g (inc batteries and tubing)  
Gross: 310g

### Dimensions:

Net: 165mm x 133mm x 39.6mm

Gross: 190mm x 140mm x 65mm

**Operating Temperature:** 10°C – 40°C

**Storage Temperature:** 0°C – 50°C

**Storage Relative Humidity:** 10% - 95%

**Safety Standards:** EN 60601-1:2006

**Medical Safety Standard:** Medical Devices  
Directive 93/42/EEC1993 as amended

**Designed & Manufactured Under:**

ISO 13485:2003, FDA 21CFR820, CMDR & JPAL

## Ordering Info:

**45710** 4500 AIM (Aerosol Inhalation Monitor)

**45610** Disposable DPI Inhaler Simulator (25)

**45611** Disposable MDI Inhaler Simulator (25)

**79192** Replacement silicone tubing

**45027** HFA Placebo Aerosol (8)

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

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