

# Overcome the pressure for consistent PEP and IMT therapy.

**R**espironics HealthScan Asthma & Allergy Products is pleased to provide two Threshold products – Threshold™ PEP and redesigned Threshold® IMT – innovative devices that provide consistent and specific pressure, regardless of how quickly or slowly patients breathe.



Threshold devices incorporate flow-independent one-way valves to ensure consistent resistance and feature adjustable specific pressure settings (in cm H<sub>2</sub>O) to be set by healthcare professionals. When patients *exhale* through Threshold™ PEP, the resistive load creates positive pressure that helps open the airways and allows mucus to be expelled during “huff” coughing (forced expiratory technique). Threshold PEP can be used for airway clearance, bronchial hygiene, or as an alternative to chest physical therapy. When patients *inhale* through Threshold® IMT, a spring-loaded valve provides a resistance that exercises respiratory muscles through conditioning.

## Similar Features

- Flow-independent one-way valve
- Constant pressure (regardless of patient's airflow) eliminates the need for a pressure indicator
- Clinicians determine pressure settings in cm H<sub>2</sub>O
- Pressure is truly adjustable (PEP in 1 cm H<sub>2</sub>O; IMT in 2 cm H<sub>2</sub>O) and easy to set
- Device can be held in any position for effective therapy and ease of use
- Can be used with mouthpiece or mask
- Easy to clean
- Made of durable, high-impact acrylic
- Unconditional 1-year warranty

## Different Indications

### Threshold PEP

- Prevents accumulation of secretions
- Improves mobilization of secretions
- Promotes effective breathing patterns and improves gas exchange
- Improves central and peripheral airway function
- Prevents or reverses atelectasis
- Optimizes bronchodilation when combined with respiratory drug delivery for bronchial hygiene therapy via nebulizer or MDI spacer devices

### Threshold IMT

- Increases respiratory muscle strength<sup>1</sup>
- Increases respiratory muscle endurance<sup>1</sup>
- Increases exercise tolerance<sup>1</sup>



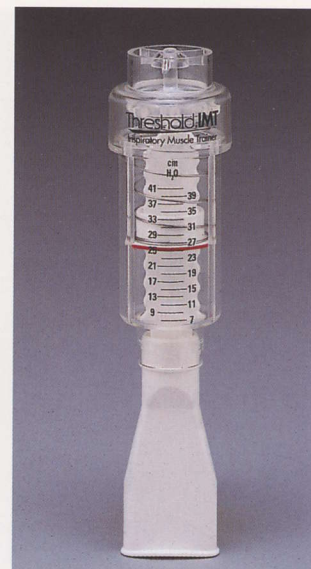


# Threshold PEP

Positive Expiratory Pressure Device

# Threshold IMT

Inspiratory Muscle Trainer



## Performance Data

	Threshold PEP	Threshold IMT
<b>Accuracy</b>	$\pm 1$ cm H <sub>2</sub> O	$\pm 2$ cm H <sub>2</sub> O
<b>Reproducibility</b>	$\pm 0.5$ cm H <sub>2</sub> O	$\pm 1$ cm H <sub>2</sub> O

## Dimensions

	Threshold PEP	Threshold IMT
<b>Length</b>	5.1"	4.6"
<b>Diameter</b>	1.6"	1.6"
<b>Weight</b>	1.3 oz	1.3 oz

## Materials

<b>Main Body</b>	Impact-resistant acrylic
<b>Scale</b>	Hot-stamped, alcohol-resistant
<b>Mouthpiece</b>	Polypropylene
<b>Nose Clip</b>	Polypropylene

## Calibration Data

	Threshold PEP	Threshold IMT
<b>Measurement Range</b>	4-20 cm H <sub>2</sub> O	7-41 cm H <sub>2</sub> O
<b>Resolution</b>	1 cm H <sub>2</sub> O	2 cm H <sub>2</sub> O

## Cleaning

After each session, use warm water and a mild liquid detergent to thoroughly clean your Threshold PEP and Threshold IMT and any attachments you have used. Flush clear water through both ends of the device and the attachments in order to rinse them. Shake out excess water and allow to air dry. **DO NOT BOIL OR HEAT.** After allowing the device and attachments to dry completely, store them for your next therapy session.

## Life Span Data

Accuracy and reproducibility assured for a minimum of two years ( $\pm 1$  cm H<sub>2</sub>O).

## Quality Assurance

100% of Threshold PEP and Threshold IMT units are quality-control inspected at the factory before shipment.

## Warranty

Threshold PEP and Threshold IMT are backed by one-year unconditional warranties. Any unit performing unsatisfactorily for any reason during this period will be replaced free of charge by Respironics.

## How Supplied

Each Threshold PEP and Threshold IMT unit is packaged in a plastic bag with *Instructions for Use*, mouthpiece, and nose clip.

## Ordering Information

Reorder No.	Product Description	Units/Case
<b>HS730</b>	Threshold IMT	10
<b>HS730EU</b>	Threshold IMT (CE marked with labeling in 8 languages)	10
<b>HS735</b>	Threshold PEP	10
<b>HS735EU</b>	Threshold PEP (CE marked with labeling in 8 languages)	10
<b>HS730A</b>	Oxygen Adaptor	10

*Caution: Federal law (USA) restricts these devices to sale by or on the order of a physician or licensed healthcare professional.*

For indications on PEP therapy refer to AARC Clinical Practice Guideline: Use of Positive Airway Pressure Adjuncts to Bronchial Hygiene Therapy published in *Respiratory Care* 1993;38(5):516.

**Reference:** 1. Larson JL, Kim MJ, Sharp JT, Larson DA: Inspiratory muscle training with a pressure threshold breathing device in patients with chronic obstructive pulmonary disease (abstract). *Am Rev Resp Dis* 1986;133:A100.



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