

# *BVM*Trainer

*See the **Breath.**  
Measure the **Technique.**  
Improve the **Skill.***



*Real-Time Feedback  
and Objective Scoring for  
Manual Ventilation Training.*



# o\_two™ BVM Trainer

*REAL-TIME FEEDBACK for one of  
the MOST VARIABLE SKILLS  
in Resuscitation.*



Manual ventilation is a critical skill, but performance can vary significantly between providers, scenarios, and patient sizes. The O-TWO BVM Trainer helps make BVM training measurable by providing real-time feedback on breath delivery and converting performance into a clear 100-point score.

Designed for EMS services, hospitals, simulation centers, schools, and respiratory therapy programs, the O-TWO BVM Trainer supports structured training across adult, child, and infant ventilation scenarios. Learners can practice controlled bag-valve-mask ventilation, identify technique deviations, and improve consistency through objective, repeatable feedback.

By measuring how each breath is delivered, the system helps instructors move beyond observation alone and support coaching, remediation, and competency review with clear performance data.

# Measured Ventilation Parameters

## Ventilation Rate

Measures the number of breaths delivered per minute to help identify hypoventilation or hyperventilation.

## Delivered Tidal Volume

Measures the volume delivered with each breath to support appropriate BVM ventilation technique.

## Inspiratory Time

Measures the duration of each delivered breath to support controlled, consistent ventilation.

## Peak Inspiratory Flow

Measures the highest inspiratory flow during each breath to help identify rapid or forceful bag compression.

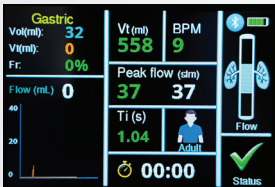
## Gastric Insufflation Indicator

Identifies ventilation patterns associated with gastric air entry during simulated manual ventilation.

## Performance Consistency

Evaluates breath-to-breath repeatability across the training session to support coaching and competency review.

# Ventilation Analysis & Feedback



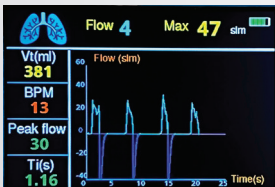
## 1. Train with Real-Time Feedback

Sensors monitor each breath and display real-time values, color-coded indicators, and priority issue alerts during ventilation training.



## 2. Review Objective Scoring

Each session generates a clear 100-point score to support instructor feedback, skills assessment, and competency review.



## 3. Analyze Breath-by-Breath Performance

Graph View shows ventilation trends over time, helping learners and instructors review consistency, control, and technique improvement.

## How the 100-point score is calculated

DOMAIN	POINTS	PURPOSE
Efficiency	40	Rate + volume
Quality	20	Inspiratory time + peak flow
Safety	30	Gastric fraction + gastric events
Consistency	10	Controlled breaths over session

Green	Yellow	Orange	Red
Target Pass-ready breath	Mild deviation Correctable	Concerning Needs further practice	Unsafe Stop and correct

PRESET	RATE	56. VOLUME	INSPIRATORY TIME	PEAK FLOW
Adult	9-11/min	400-600 mL	0.8-1.2 sec	<=45 L/min
Child	20-30/min	120-160 mL	0.8-1.2 sec	<=15 L/min
Infant	20-30/min	48-64 mL	0.8-1.2 sec	<=8 L/min

### Final Result:

85-100 EXCELLENT | 70-84 ACCEPTABLE | 60-69 BORDERLINE | <60 FAIL

## Device Features



- ✓ Real-Time Ventilation Feedback
- ✓ Objective 100-Point Scoring
- ✓ Adult, Child, and Infant Training
- ✓ Instructor-Led Skills Development

Ordering Information: 01TA5000 - BVM Trainer

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