

# PEGASO E7

The PEGASO E7 series devices (E7A, E7B, E7C) by Dima Italia are designed to provide advanced respiratory assistance, combining cough assistance and percussor functions. These devices are ideal for use in hospitals, intensive care units, and home care settings, ensuring effective bronchial secretion management and improved respiratory function.

## MODELS AVAILABLE

- **PEGASO E7A:** Cough assistant with manual, automatic, and auto-adaptive modes.
- **PEGASO E7B:** + air stacking, and training modes.
- **PEGASO E7C:** as E7B + percussor


## FIELD OF APPLICATION

- Hospitals
- Intensive Care Units
- Home Care
- Respiratory Therapy Clinics

## SUITABLE FOR

- Adult patients requiring bronchial secretion management
- Patients with chronic respiratory dysfunctions
- Use by specialized healthcare professionals

## OUTSTANDING FEATURES

- Cough assistant, Percussor and Air stacking all in one.
- Ergonomic and compact design: Dimensions 27 x 26 x 13 cm, weight only 3.2 kg.
- Rechargeable internal battery: Average duration of 3 hours of continuous use.
- Compatibility with oximeter by  **MASIMO**® : Precise monitoring of respiratory parameters.

# TECHNICAL FEATURES

SETTINGS	
<b>COUGH ASSISTANT:</b>	
Positive pressure I	From + 0 to + 70 hPa ( $\pm 10\%$ or 2hPa)
Negative pressure E	From - 0 to - 70 hPa ( $\pm 10\%$ or 2hPa)
Inspiration time	From 0.1 to 9.9 seconds ( $\pm 10\%$ or 0.2 seconds)
Expiration time	From 0.1 to 9.9 seconds ( $\pm 10\%$ or 0.2 seconds)
Pause time	From 0.1 to 9.9 seconds ( $\pm 10\%$ or 0.2 seconds)
Trigger	Levels from 1 (most sensitive) to 9 (less sensitive)
Rise T	3 Levels. Low, Medium, High (1, 2, 3)
Oscillation	Off - Only on I - Only on E - On I and E.
Oscillation Amplitude	From 1 to 15 hPa ( $\pm 10\%$ or 2hPa)
Oscillation frequency	From 1 to 20 Hz ( $\pm 10\%$ )
Exhalation flow	Flow at standard conditions: 260lpm RiseT 3, I+40hPa/E-40hPa:
<b>PERCUSSOR</b>	
Inspiratory positive pressure P:	From + 0 to + 70 hPa ( $\pm 10\%$ or 2hPa)
Frequency	From 50 to 600 cpm ( $\pm 10\%$ )
I/E Ratio	From 5.0:1 to 1:5.0 ( $\pm 10\%$ )
<b>OXIMETER READING</b>	
SpO <sub>2</sub>	70%-100% accuracy= $\pm 2\%$ 50% to 69% accuracy = $\pm 3\%$
Pulse	25 to 240 BPM accuracy = $\pm 2$ BPM
OTHER SPECIFICATIONS	
Alarms	Power failure alarm, high pressures alarms, high temperature alarm, mechanical failure alarm, SpO <sub>2</sub> , Pulses
Size	27 x 26 x 13 cm (W x H x D)
Weight	3.2 Kg
Power supply	100 / 240Vac 50 / 60Hz, 120 VA Internal rechargeable LiPo battery, average duration before discharge 3 hours continuous
Objects and liquids protection	IP22
Acoustic Pressure of Alarms	>90dBA
Operating conditions	Temperature of functioning: from 5° C to 40° C Relative humidity: from 15% to 93% Atmospheric pressure between 700hPa and 1060hPa
Transport and storage conditions	From -25°C without humidity control To +70°C 93% relative humidity, non-condensing
Safety standards	EN60601-1, EN60601-1-2, 60601-1-11, 60601-1-8 Complies with MDR 2017/745
Insulation class	Class II BF
Risk class	2B