PEGASO E7

Pegaso Series technology can help patients with complex respiratory conditions manage their symptoms and improve their quality of life. The system is designed to be customisable, safe and easy to use, offering patients the freedom to live their lives to the fullest, with advanced monitoring of respiratory parameters thanks to the oximeter. MASIMO

AVAILABLE MODELS

- **PEGASO E7A:** Automatic, Manual and Trigger Cough Assistant, Percussor, Air Stacking, Trainer, Flow Accelerator, Spirometry
- **PEGASO E7B:** Automatic, Manual and Trigger Cough Assistant, Percussor, Trainer, Flow Accelerator
- **PEGASO E7C:** Automatic, Manual and Trigger Cough Assistant, Percussor, Air Stacking, Trainer, Flow Accelerator.

WHERE TO USE IT

- Hospitals
- Home Care
- Pulmonary clinics

SUITABLE FOR

- Muscular dystrophy
- Spinal muscular atrophy
- Myasthenia gravis
- Spinal cord injury
- Polio
- Amyotrophic lateral sclerosis
- Cystic fibrosis (Mucoviscidosis)
- Chronic obstructive pulmonary disease COPD

EXEPTIONAL FEATURES

- New design with the latest pulmonary technology
- Easy to handle and lighter
- Pressures up to 70 cmH2O, 4 different flow levels
- Auto-adaptive mode
- Percussion function with high-frequency positive ventilation (optional)
- High-level monitoring of respiratory parameters thanks to the Sp02 oximeter MASIMO

TECHNICAL SPECIFICATIONS

SETTINGS	
ASSISTANT COUGH:	
Positive pressure I	variable from + 0 to + 70 cmH2O (± 10% or 2 cmH2O)
Negative pressure E	variable from – 0 to – 70 cmH2O (± 10% or 2 c H2O)
Inhalation time	variable from 0.0 to 9.9 seconds (± 10% or 0.2 seconds)
Exhalation time	variable from 0.0 to 9.9 seconds (± 10% or 0.2 seconds)
Break time	variable from 0.0 to 9.9 seconds (± 10% or 0.2 seconds)
Trigger	Levels 1 (most sensitive) to 9 (least sensitive) - or with Pedal
Rise T	3 levels
Oscillation	Off - Only on the I- Only on the E - On the I and on the E
Oscillation Amplitude	1 to 15 cm H2O (±10% or 2 cm H2O)
Oscillation frequency	variable from 1 to 20 Hz (±10%)
Positive Pretherapy cycles	OFF – from 1 to 15, with settable ramp. Time-I, Time-P 0.5 to 5.0 seconds (± 10% or 0.2 seconds) Pressure: +3 to +70 cmH2O (± 10% or 2 cmH2O)
Cough Assistant Cycles	Infiniti (OFF) from 1 to 15
Expiratory flow	Flow at standard conditions: 260lpm Minimum RiseT, I+40cmH2O/E-40cmH2O:
FIRING PIN	
Positive pressure P:	variable from + 0 to + 70 cmH2O (± 10% or 2 cmH2O)
Percussion frequency	Variable from 50 to 900 cpm (±10%)
I:E Ratio:	variable from 5.0:1 and 1:5.0 (±10%)
AIR STACKING	
Volumetric	Triggers 1 (most sensitive) to 9 (least sensitive) - or with Pedal Vtidal: 50-3000 mL per inspiration Time-I: 0.2-6.0 seconds
Pressometric	Triggers 1 (most sensitive) to 9 (least sensitive) - or with Pedal Number of Steps: from 1 to 9 Final pressure: 3-60 cmH2O Time-I: 0.2-6.0 seconds
TRAINER	
Expiratory flow at Rp=5	0 to 300 LPM
Free expiratory flow estimation	0 to 600 LPM
Inspired volume	0 to 9999 mL
FLOW ACCELERATOR	
Continuous and Percussive	Suction flow from 10 to 50 lpm
Percussive	Intake flow from 10 to 50 lpm with 10Hz percussion
SPIROMETRY (only on E7A)	
Volume Flow Curve	Maximum flow 8 L/s Maximum volume 6 Liters
Measured Values	FEV1, FVC, FEV1/FVC, PEF, PIF, PEF/PIF,PCF
OXIMETER READING	
SpO2	Accuracy 70-100%= ±2 units Accuracy 50-69%= ±3 units
Pulsations	Accuracy from 25 to 240 BPM= ±2 units
OTHER SPECIFICATIONS	
Alarms	Hardware Failure Alarm, High Pressure Alarm, SpO2 Alarm, Pulse Alarm
Dimensions	27 x 27 x 14 cm (W x H x D)
Weight	3.4 Kg
Feeding	100/240Vac 50/60Hz, 120 VA Internal rechargeable LiPo battery, average life before discharge 3 hours continuous
Foreign body and liquid protection	IP22
Sound Pressure Alarms	>90dBA
Conditions During Use	5° C to 40° C Humidity: 15% to 93%, non-condensing Atmospheric pressure between 700hPa and 1060hPa
Sound pressure	at ± 40 cmH2O in the Pause phase is less than 58 dBA at 1 meter.
Conditions Transport and storage	From -25°C without humidity control At +70°C relative humidity 93%, non-condensing
Safety standards	EN60601-1, EN60601-1-2, 60601-1-11, 60601-1-8 ISO10993-1, ISO10993-17, ISO18652-1/2/3/4, ISO EN 62366
Electrical safety	Class II BF
Risk class	2B