

COMMODITY DESCRIPTION

(영 문 규 격 서)

H.S. No.	Item No.	Description/model	Q'ty	Unit
9018.19-8000		EIT(Electrical impedance tomography) device	2	Set

A. Features :

1. A Electrical Impedance Tomograph which has been specially designed for advance your mechanical ventilation therapy towards personalized protective ventilation.
2. Displays EIT images such as cross-sectional dynamic images, status, images, real-time impedance, waveforms, and derived numeric parameters.
3. Stationary bedside use on patients in a supine, prone, or lateral position.
4. Provides radiation-free real-time continuous imaging of regional lung ventilation at bedside.

B. Specifications :

1. Settings
 - 1) Frame rate: 100 frames per second
2. Display unit
 - 1) Resolution: 1920 x 1080 pixels
 - 2) Viewing angle: 160 deg
3. Dimensions (WxHxD): 386.2mm x 283.5mm x 170 mm (15.2in x 11.16in x 6.69in)
Weight: 5.5kg(12lbs)
4. Main supply
 - 1) Main supply and nominal voltate: 100V to 240V, 50/60Hz
 - 2) Maximum duration operation: 80W
 - 3) Typically during operation: approx. 50W
 - 4) Maximum whend device is switched off: 40W
5. Ambient Conditions
 - 1) During operation
 - Temperature(device): 0~ 40°C
 - Temperature(electrode pad and cables): 0~40°C
 - Atmospheric pressure: 700~1060hPa
 - Relatvie humidity: 15~90%, without condensation
 - 2) During storage and transportation
 - Temperature(device): -20 ~ 60°C
 - Atmospheric pressure: 700~1060hPa

- Relative humidity: 15~90%, without condensation
6. Performance Characteristics
 - 1) EIT measurement
 - Number of electrodes: 16 electrodes plus 1 reference electrode
 - Feed current frequency: 100kHz
 - 2) Display unit
 - Resolution: 1920x1080 pixels
 - Viewing angle: 160°
 7. Operating data
 - 1) Mains supply
 - Main supply nominal voltage and frequency range: 100V~240V, 50/60Hz
 - Fuse: 250V/3.15A
 - 2) Current consumption
 - at 240V: max. 0.31A
 - at 100V: max. 0.65A
 - 3) Power consumption
 - maximum during operation: 80W
 - typically during operation: approx. 50W
 - maximum when device is switched off, but charging battery: 40W
 - 4) Integrated battery
 - 10.8V/3350mAh lithium-ion battery
 - 5) Charging time: min. 2hours
 8. Materials used
 - 1) Disposable electrode pad(Epad): Hydorgel, Adhesive, Dielectric ink, Foam
 - Size: XL, L, M, S, XS, 2XS, 3XS, 4XS
 - 2) Patient cable: plasatics, PVC (weight: 250g)
 9. Classification
 - 1) Applied parts: electrode pad, patient cable
 - 2) Mode of operation: continuous
 10. Protection against electric shock regarding
 - 1) External power supply: protection class I conforming to EN60601-1
 - 2) Applied parts: type BF conforming to IEC60601-1
 - 3) Protection against harmful ingress of water: IPX2 conforming to IEC60529
 - 4) Microenvironments of pollution: level 2 conforming to IEC60601-1
 - 5) Electromagnetic compatibility(EMC): tested in accordance with IEC60601-1-2
 - 6) Biocompatibility of applied parts: tested in accordance with ISO10993 for skin and an application duration of <24hours
 - 7) Classification as per EC Directive 93/42/EEC Annex IX: II a

11. Communication interfaces

- 1) Digital outputs
 - USB ports 2

12. Storage capacity: Up to 350GB

13. Applicable patient : neonates, pediatrics, adults

14. Additional Enhanced Features

- 1) Trend Comparison View s/w
 - Compare compliance, tidal and Δ EELI images to find how different ventilator settings have affected the patient's lung ventilation.
- 2) Feature Report s/w
 - Review a report of a selected session
- 3) Analysis View s/w
 - Comparison Image View
 - : Analyzing changes in acquired images and assessing differences between two chosen times
 - Comparison Trend view
 - : Analyzing long-term changes of selected parameters during two different time segments and assessing differences between two chosen times.
 - Video recording/playback

C. Consist of

1. EIT Main Body	2 UNIT
: Basic s/w	
- Image View s/w	
- Graph View s/w	
- Trend View s/w	
- PEEP Determination View s/w	
- Weaning View s/w	
2. Rolling Stand	
3. Battery	
4. Patient cable	2 EA
5. Power cord	2 EA
6. Data cable	2 EA
7. Titration View s/w	2 EA
8. Feature Report s/w	2 EA
9. Analysis View s/w	2 EA
10. Operation manual	2 EA

11. Service manual	2 EA
12. EP-360-S(Chest circumference 71~85cm)	2 EA
13. EP-360-M (Chest circumference 85~98cm)	2 EA
14. EP-360-L(Chest circumference 98~118cm)	2 EA

D. Remark :

1. The equipment should be installed by Contractor.
2. Three years warranty after the installation and correct operation
3. Domestic training must be provided upon the hospital's request.
4. Products manufactured within one year must be supplied.
5. The supplier shall cooperate with the hospital's request for a final inspection of the equipment before the expiration of the warranty period.
6. The supplier shall actively cooperate with the hospital's request for preventive maintenance to ensure equipment reliability during the warranty period.