ANZAI

Dynamic Chest Tracking Phantom

AZ-M2

【Overview】

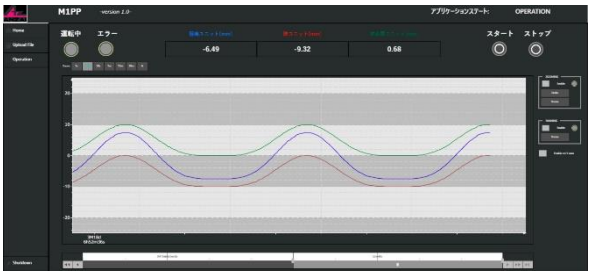
The AZ-M2 Dynamic Chest Tracking Phantom includes anatomically realistic bone structures, pulmonary vessels, and a simulated tumor. The independently movable components, the vessels, tumor, and body surface enable realistic simulation and evaluation of motion-tracking radiation therapy.

【Features】

1. Independent operation of respiratory motion for a lung tumor, pulmonary blood vessels, and a body surface unit
2. Operable via general-purpose PC or tablet (communication via Wi-Fi), eliminating the need for communication cables
3. Respiratory motion can use predefined waveforms (sin, $\cos^4$, $\cos^6$, triangle wave) or custom waveforms (AZ-733VI input)
   (1) Achieves ±25 mm motion with sub-millimeter accuracy
   (2) Programmable settings for different cycles, amplitudes, and waveforms
   (3) Respiratory motion can be input using CSV files

【Example of Waveform】

Standard waveforms (sin, $\cos^4$, $\cos^6$, triangle wave), arbitrary waveform input possible (AZ-733VI)



Standard Waveform ($\cos^4$)

Arbitrary Waveform (AZ-733VI)

【Specifications】

Overall Dimensions	680 mm (L) x 380 mm (W) x 200 mm (H)
Tumor, Pulmonary Blood Vessels Unit Operating Range	± 25.0 mm
Body Surface Unit Operating Range	± 10.0 mm
Positional Accuracy	± 0.2 mm
Waveform Pattern	sin, $\cos^4$, $\cos^6$, triangle wave, arbitrary waveform input (AZ-733VI)
Power Supply	AC100 ~ 240 V (50/60 Hz)

※Due to product improvements, specifications, design, and other features may be subject to change without prior notice.

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