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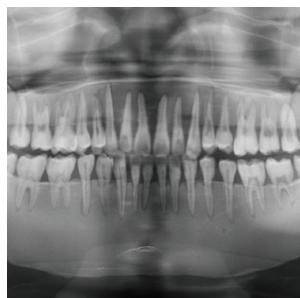
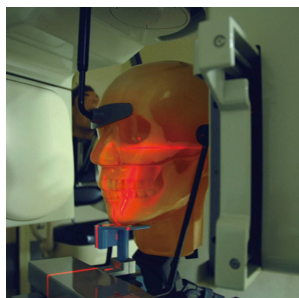
Dental Radiography Head Phantom Two-way set

Item No. PH-76
Weight 4.8kg
Brand KYOTO KAGAKU, JAPAN

[Read More](#)

SKU:

Categories:Radiology Phantom



Product Description

It's open and closed mouth options allow a variety of applications for training and research

Features

Training skills / Applications

Case / Pathology

Set includes

Size (approx.)

Packing size (approx.)

Weight (approx.)

Replacement parts

Optional parts

Production ? Development Supervision

Update

1. Each hard tissue (enamel, dentin, cortical bone and cancellous bone) has particular HU number and X-ray absorption rate, each tooth has three-layer structure of enamel, dentin and pulp cavity. 2. Jaws and tongue are detachable to allow access to the oral cavity, pharyngeal cavity and maxillary sinus. Sensors, simulated lesions, or residue can be set in these cavities. 3. Carotid arteries are prepared as lumens to accommodate simulated calcifications.

Tooth jaw X-ray training and quality assurance technique: Panoramic X-ray, Intraoral X-ray, Dental CT, Cephalogram

Change of x-ray transmission due to maxillary sinusitis, calcification of carotid artery, residue of food and drink to oral and nasal cavity due to dysphasia. (simulated food and drink not included)

Main head unit / Upper jaw / Lower jaw* / Tongue / Tripod / 1 set of sample X-ray data / Storage case / Instruction manual / Fixation base (including screws) / *Two-way set includes two types of lower jaws

W20xD21xH29 cm W7.9xD8.3xH11.4 in

W66 x D54 x H34cm / W26.0 x D21.3 x H13.4in

4.8 kg /10.6 lb

41301-400-01 lower jaw (mouth opened) for PH-76 41301-500-01 lower jaw (mouth closed) for PH-76

41301-200-01 Implant

Akitoshi Katsumata, D.D. S, Ph. D Professor Asahi University, School of Dentistry

July 20, 2020

Why Choose the Dental Radiography Head Phantom Two-Way Set for Dental & Maxillofacial Imaging Training in India?

The Dental Radiography Head Phantom Two-way Set (Item No. PH-76, Brand: Kyoto Kagaku, Japan) is a comprehensive dental X-ray training phantom developed under the supervision of Akitoshi Katsumata, DDS, PhD, Professor at Asahi University School of Dentistry. Its open- and closed-mouth jaw options support a wide range of training and research applications across panoramic X-ray, intraoral X-ray, dental CT, and cephalometric imaging.

Each hard tissue — enamel, dentin, cortical bone, and cancellous bone — is built with its own accurate HU number and X-ray absorption rate, and each tooth reproduces the natural three-layer structure of enamel, dentin, and pulp cavity. Jaws and tongue are detachable for access to the oral cavity, pharyngeal cavity, and maxillary sinus, allowing sensors, simulated lesions, or residue to be placed for realistic case scenarios. Carotid arteries are modeled as lumens that can accommodate simulated

calcifications.

Training applications:

- Panoramic X-ray technique
- Intraoral X-ray technique
- Dental CT
- Cephalometric imaging
- Tooth/jaw X-ray training and quality assurance

Case/pathology simulation: Change in X-ray transmission due to maxillary sinusitis; carotid artery calcification; food and drink residue in oral and nasal cavity due to dysphagia (simulated food and drink not included).

Set includes: Main head unit, upper jaw, lower jaw (two-way set includes two types of lower jaws — mouth-opened and mouth-closed), tongue, tripod, one set of sample X-ray data, storage case, instruction manual, fixation base with screws.

Optional accessory: Implant (Part No. 41301-200-01).

Specifications: Size W20×D21×H29cm (W7.9×D8.3×H11.4in). Weight approx. 4.8kg (10.6lb). Packing size W66×D54×H34cm (W26.0×D21.3×H13.4in).

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Kyoto Kagaku products in India with over 30 years of experience supplying dental and radiology training phantoms to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What does "two-way set" mean? A: It refers to the two interchangeable lower jaw options included — one for mouth-opened positioning and one for mouth-closed — supporting a broader range of imaging techniques from a single phantom.

Q: Which imaging modalities can this phantom be used for? A: Panoramic X-ray, intraoral X-ray, dental CT, and cephalometric imaging.

Q: How do I order from SEM Trainers? A: Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.