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Multi Energy CT Quality Assurance Phantom (TR-I)

Item No.	PH-75B
Weight	23 kg
Brand	KYOTO KAGAKU, JAPAN

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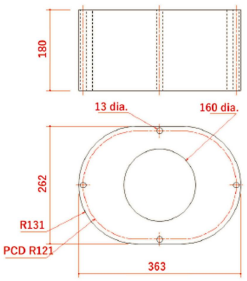
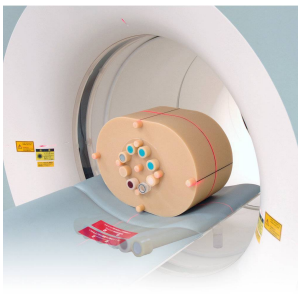
SKU:

Categories: Radiology Phantom





Product Description

Water Equivalent Material, various inserts and empty bottles enable to verify the appropriate Multi-Energy CT settings

Features	1.Phantom using innovative Water Equivalent Material / 2.Empty bottles enable to put various items and check how they react to Multi Energy CT / 3.Save time and efforts to produce custom-made water phantoms / 4.Two different sizes of body. (TR-I, TR-J)
Training skills / Applications	ME-CT image analysis protocol / Metal artifact reduction / Reduction of contrast media
Set includes	1 truck phantom / 1 internal cylindrical phantom / 9 filling rods for dosimeter holes / 8 WEM inserts / 3 iodine inserts (4, 8, 12mgl/mL) / 1 titanium insert / 1 soft tissue insert / 1 water container/ 20 empty sample bottles/ 8 spacers for sample bottles/ manual
Size (approx.)	□36.3×D18×H26.2cm
Packing size (approx.)	W36.3 x D26.2 x H18.0 cm/W14.3 x D10.3 x H7.1 in
Weight (approx.)	23kg
Packing weight (approx.)	W44 x D36 x H42cm / W17.3 x D14.2 x H16.5in
Materials	Polyurethane
Optional parts	Angle adjustment holder
Related products	Multi Energy CT Quality Assurance Phantom (TR-J)
Production ? Development Supervision	Katsuhiro Ichikawa, Ph.D., / Institute of Medical, / Pharmaceutical and Health Sciences, / Kanazawa University
Update	October 25, 2024

Why Choose the Multi Energy CT Quality Assurance Phantom (TR-I) for ME-CT Protocol Evaluation in India?

The Multi Energy CT Quality Assurance Phantom TR-I (Item No. PH-75B, Brand: Kyoto Kagaku, Japan) uses innovative Water Equivalent Material construction, with empty sample bottles that let you insert and test how various materials respond under multi-energy CT settings — saving the time and effort of producing custom-made water phantoms. This phantom is available in two body sizes (TR-I and TR-J). Developed under the supervision of Katsuhiro Ichikawa, Ph.D., Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University.

Training applications:

- ME-CT (multi-energy CT) image analysis protocol development
- Metal artifact reduction evaluation
- Contrast media reduction assessment

Set includes: 1 truck phantom, 1 internal cylindrical phantom, 9 filling rods for dosimeter holes, 8 WEM inserts, 3 iodine inserts (4, 8, 12 mgI/mL), 1 titanium insert, 1 soft tissue insert, 1 water container, 20 empty sample bottles, 8 spacers for sample bottles, manual.

Specifications:

- Size approx. W36.3×D18×H26.2cm
- Packing size approx. W44×D36×H42cm (W17.3×D14.2×H16.5in)
- Weight approx. 23kg
- Materials: Polyurethane

Optional accessory: Angle adjustment holder.

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 multi-energy CT quality assurance equipment to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What can the empty sample bottles be used for? A: They let you insert your own test materials to see how they respond under multi-energy CT settings — useful for custom research without needing to build a separate water phantom.

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