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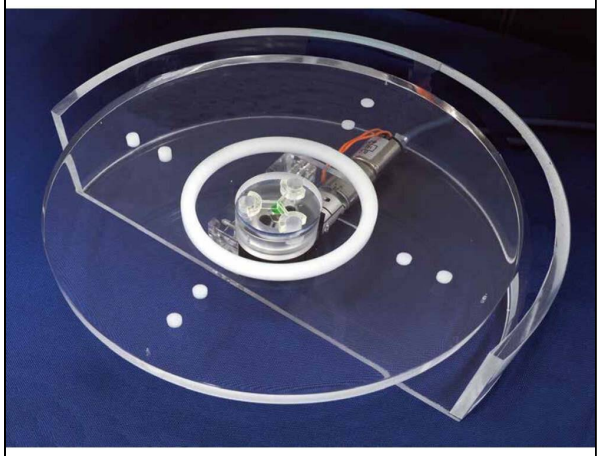


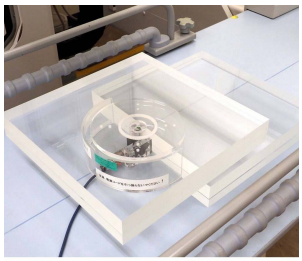
Moving Phantom for Residual Image Evaluation KS-III

Item No.	PH-81
Weight	855 g
Brand	KYOTO KAGAKU, JAPAN

Read More

SKU:

Categories: Radiology Phantom



体厚設定用アクリル板を使用した撮影
(アクリル板は構成品に含まれません)

Product Description

A phantom for determining imagining conditions and image processing parameters for moving images such as IVR

Features	Signals placed on a rotating disk for determining imagining conditions and image processing parameters for moving images Using moving signals to analyze the residual images and lags Metallic ball for alignment Signals with four different contrast enables visual evaluation in low contrast Come with data analysis software which use imageJ
Training skills / Applications	Rate of rotation:4 /minute *Rate 4rpm is based on cardiac movement of 20mm/s Internal signal:20.9mm/s external signal:27.2mm/s Power supply:AC100V 50/60Hz Consumption:10W
Set includes	1 control unit / 1 disc phantom / 1 set of cable and plug / 1 analysis software / 1 carrying case / manual
Size (approx.)	W200 x D185 x H67mm
Weight (approx.)	855 g
Power source	AC100V 50/60Hz
Power requirements (approx.)	10W
Production ? Development Supervision	Keisuke Kondo Associate Professor Radiological Sciences Komazawa University, Japan
Update	April 5, 2022

Why Choose the Moving Phantom for Residual Image Evaluation KS-III for IVR Imaging QA in India?

The Moving Phantom for Residual Image Evaluation KS-III (Item No. PH-81, Brand: Kyoto Kagaku, Japan) determines optimal imaging conditions and image processing parameters for moving images, such as those used in IVR (Interventional Radiology). Developed under the supervision of Keisuke Kondo, Associate Professor, Radiological Sciences, Komazawa University, Japan.

Test signals are mounted on a rotating disk to analyze residual images and motion lag under realistic moving-image conditions. A metallic ball provides an alignment reference, and signals presented at four different contrast levels enable visual evaluation of low-contrast detectability. The phantom comes with data analysis software built on ImageJ.

Training applications:

- IVR image quality and processing parameter evaluation
- Residual image and motion lag analysis
- Low-contrast visual evaluation

Technical parameters: Disk rotation rate 4/minute (based on a cardiac movement reference of 20mm/s); internal signal speed 20.9mm/s; external signal speed 27.2mm/s.

Set includes: 1 control unit, 1 disc phantom, cable and plug set, 1 analysis software (ImageJ-based), 1

carrying case, manual.

Specifications:

- Size approx. W200×D185×H67mm
- Weight approx. 855g
- Power source: AC100V, 50/60Hz — **note: requires a step-down transformer/voltage converter for use on India's 230V mains**
- Power consumption: approx. 10W

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 radiology QA and imaging evaluation equipment to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: Can this be used directly on Indian mains power? A: The unit is rated AC100V, matching Japanese mains voltage — a step-down transformer or voltage converter is required for use on India's 230V supply. Contact us to confirm compatible power accessories.

Q: What is ImageJ, and why does the phantom come with it? A: ImageJ is a widely used, open-source scientific image analysis platform. The phantom's included analysis software is built on ImageJ to process residual image and motion lag data captured during testing.

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