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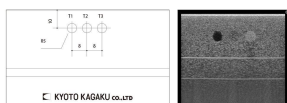
Small Parts Basic QA Phantom

Item No. US-4B
Weight
Brand KYOTO KAGAKU, JAPAN

[Read More](#)

SKU:

Categories:Ultrasound Phantom



Product Description

Excellent for the routine maintenance of image quality in ultrasonography as well as the ageing of devices and transducers.

Features

Training skills / Applications

Set includes

Size (approx.)

Packing size (approx.)

Weight (approx.)

Packing weight (approx.)

Materials

Production ? Development Supervision

Material features

Update

1. Compact size allows imaging in a single scan, saving time and simplifying the process. 2. To ensure the verticality of the entrance beam, two horizontal wires are embedded and the supporting guide frame secure the transducer in its home position for testing, 3. For monthly basic quality test, as well as longer term quality assurance to maintain consistency of the performance of scanners and transducers. 4. Stable and long-life material of the phantom *proved by 5-year-test 5. To maintain the internal temperature of the phantom (23°C to 26°C), a thermometer is provided.

Image quality and aging of the transducer

1 phantom, 1 thermometer, 1 Instruction manual

W10.3 x D5 x H8cm/W4 x D1.97 x H3.15in.

W39 x D28 x H21cm / W15.35 x D11 x H8.27in.

0.33kg/ 0.72 lbs

3kg/ 6.6lbs

Urethane elastomer, acryl, nylon Latex free

The Japan Association of Breast and Thyroid Sonology (JABTS)

Sonic velocity: 1434(±1)m/ sec at 25°C Attention

coefficient: 0.59 dB/ cm MHz at 25°C Acoustic impedance:
1.37 rayl at 25°C

January 27, 2023

Small Parts Basic QA Phantom (US-4B) — Ultrasound Equipment Quality Assurance & Transducer Testing

The Small Parts Basic QA Phantom (Item No. US-4B, 0.33 kg) by Kyoto Kagaku, Japan is a quality assurance phantom built for routine maintenance of image quality in ultrasonography — not for patient training, but for testing the equipment itself, including monitoring transducer aging over time.

Purpose-built for consistent, repeatable QA testing. Its compact size allows imaging in a single scan, saving time during routine checks. Two embedded horizontal wires ensure the verticality of the entrance beam, and a supporting guide frame secures the transducer in a fixed home position for testing — removing positioning variability between test sessions, which matters when you're comparing scanner performance over months or years.

Designed for long-term reliability, not just a single test cycle. The phantom's material is stable and long-life, proven through a 5-year test — important since a QA phantom that degrades over time would introduce its own measurement error into your quality checks. A thermometer is included to maintain the phantom's internal temperature within the 23°C–26°C range needed for accurate, repeatable readings.

Recommended use: monthly basic quality testing, plus longer-term quality assurance to track consistency of scanner and transducer performance — a good fit for institutions running NABL or similar equipment quality documentation alongside their imaging services.

What's included: 1 phantom, 1 thermometer, 1 instruction manual. **Materials:** urethane elastomer, acrylic, nylon (latex-free).

Developed under supervision of the Japan Association of Breast and Thyroid Sonology (JABTS).

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorised distributor of Kyoto Kagaku products in India with over 30 years of experience supplying medical simulators and clinical skills trainers to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: Is this for training students, or for equipment maintenance? A: Equipment maintenance and quality assurance — it's used to test and monitor the performance and aging of ultrasound scanners and transducers, not for patient-scenario training.

Q: How often should this be used for testing? A: The manufacturer recommends monthly basic quality tests, with ongoing use for longer-term quality assurance tracking.

Q: Why does it need a specific temperature range? A: Accurate, repeatable QA readings depend on the phantom's internal temperature staying within 23°C–26°C — the included thermometer lets you verify this before testing.

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