

## I12C5b (9024) Transducer

The I12C5b intraoperative simultaneous biplane transducer offers detailed imaging of difficult-to-access anatomy, with I and T shaped arrays.

- Biplane transducer with simultaneous imaging in two planes for precise guidance
- Compact size for easier access to tight, difficult-to-reach sections of the abdominal cavity. Switch between arrays to capture the clearest image
- Flexibility to take freehand biopsies
- Advanced transducer connector designed to reduce noise in the ultrasound image, and for convenient one-handed operation
- Perform quick, reliable puncture and biopsy procedures with our single-use needle guide
- Unique, fully-immersible transducer for easy sterilization



Fig. 1 I12C5b transducer

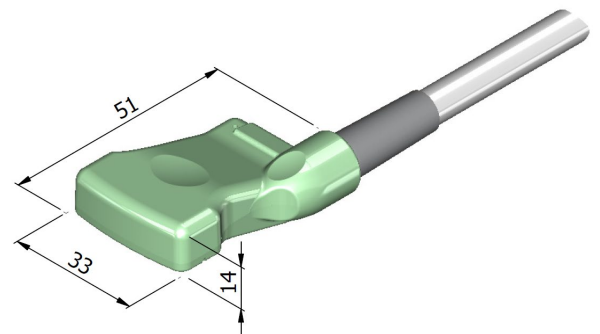


Fig. 2 Technical drawing and dimensions (mm)

## Specifications

<b>Transducer Name</b>		I12C5b
<b>Transducer Reference Type</b>		9024
<b>Compatible Ultrasound Systems</b>		bk3500, bk5000
<b>Applications (Typical)</b>		Intraoperative <sup>1</sup> , Musculoskeletal (conventional), Peripheral Vessel (peripheral vascular)
<b>Basic Imaging Modes<sup>2</sup></b>		B, M, CFM, Doppler, Tissue Harmonic Imaging, Contrast Imaging, Elastography
<b>Imaging Planes</b>		Transverse and Sagittal
<b>Weight (Approximate)</b>	g	45
<b>Acoustic Aperture</b>	mm	23 x 5
<b>Number of Elements</b>		2 x 96
<b>Radius of Curvature</b>	mm	40
<b>Image Plane Focal Length</b>	mm	Variable
<b>Image Field</b>		Sector 32° Expanded Sector 55.5°
<b>Focal Range</b>	mm	10 - 80
<b>Frame Rate (Max)</b>	Hz	>200

1 bk5000 only. Liver, biliary, pancreas, kidney.

2 Not all systems support all imaging modes.

## Specifications

<p><b>SAFETY</b> Designed and tested in accordance with current version of EN60601-1 (IEC60601-1) "Medical Electrical Equipment, Part 1". When used with BK Medical's systems, Type BF requirements are met.</p> <p><b>ENVIRONMENTAL</b> <b>Operating Pressure:</b> 700–1060 hPa (normal atmospheric pressure) <b>Operating Temperature:</b> +10 to +40 °C (+50 to +104 °F) <b>Storage Temperature:</b> -25 to +70 °C (-13 to +158 °F)</p> <p><b>REPROCESSING</b></p> <ul style="list-style-type: none"> <li>• The reprocessing temperature should not exceed +60 °C.</li> <li>• Complete details and procedures can be found in <i>Care and Cleaning</i>.</li> <li>• Follow manufacturer's instructions for use.</li> </ul>	<p><b>VALIDATED CLEANING AND DISINFECTION</b> For all cleaning and disinfection methods except wiping, plug must be covered.</p> <p><b>Manual Cleaning</b> 3E-Zyme™</p> <p><b>Manual Disinfection</b> Ethanol 70% (wiping) Korsolex® Basic Revital-Ox™ RESERT®/RESERT® XL HLD Tristel® Fuse for Stella</p> <p><b>Automatic Disinfection<sup>1</sup></b> MEDIVATORS® Advantage® Plus, with: <ul style="list-style-type: none"> <li>• MEDIVATORS Intercept® Detergent</li> <li>• MEDIVATORS Rapicide® PA</li> <li>• 70% Isopropanol Flush</li> </ul> </p> <p><b>VALIDATED STERILIZATION<sup>1</sup></b> <b>Immersion Methods (plug must be covered)</b> STERIS® SYSTEM 1®, SYSTEM 1E®, SYSTEM 1 Plus, SYSTEM 1 Express</p> <p><b>Gas Processes (plug must be uncovered)</b> STERIS® V-Pro™ STERRAD NX™ and 100NX Systems STERRAD 100S and 200 Systems</p>	<p><b>POWER SUPPLY</b> Internally from system</p> <p><b>CABLE LENGTH</b> 2.8 m (9.2 ft)</p> <p><sup>1</sup> Automated reprocessing methods validated for 100 cycles.</p>
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## Ordering Information

<p><b>ACCESSORIES AVAILABLE</b></p> <p>KE4300: Carrying Case</p> <p>UA1414: Leakage Testing Kit</p> <p>UA1337: Single-use needle guide. Sterile packed. Includes 2 needle guide insert palettes (3-angle and free-angle respectively), each with 9 different inserts for 10-20 gauge needles (pack of 9)</p> <p>UA2435: Reprocessing Tray</p>	<p><b>TRANSDUCER COVERS</b></p> <p>UA0004<sup>1</sup>: Intraoperative sterile cable covers, latex-free, 7.6 x 244 cm (pack of 24)</p> <p>UA0008<sup>1</sup>: CIV-Flex™ latex-free covers, sterile, 11.9 cm tapered to 3.8 x 61 cm, (pack of 24). Includes gel packet</p> <p>UA0073: Sterile, latex-free, 15.2 x 244 cm, telescopically-folded with attached 3 cm NeoGuard™ tip (pack of 12)</p> <p><sup>1</sup> Must be used together.</p>	
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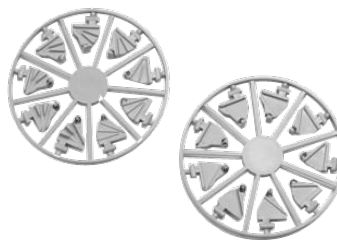
## Accessories

### Single-Use Needle Guide UA1337



- **Dimensions:** 35 x 22 x 10 mm (1.4 x 0.9 x 0.4 in)
- **Weight:** 4 g
- **Materials:** MABS plastic with 20% Barium sulphate

### Single-Use Needle Guide Kit UA1337 – Needle Guide Insert Palettes



- **Dimensions:** Ø120 X 11 mm (Ø4.7 x 0.4 in)
- **Weight:** 28 g
- **Material:** MABS plastic with 20% Barium sulphate