

I14C5T (9016) Transducer

The I14C5T T-shaped intraoperative transducer is designed primarily for hepatic surgery. It offers excellent image quality, and is ergonomically designed for a secure grip in an intraoperative environment.

- Compact size for easier access to tight, difficult-to-reach sections of the abdominal cavity
- Advanced transducer connector designed to reduce noise in the ultrasound image, and for convenient one-handed operation
- Unique, fully-immersible transducer for easy sterilization



Fig. 1 I14C5T transducer

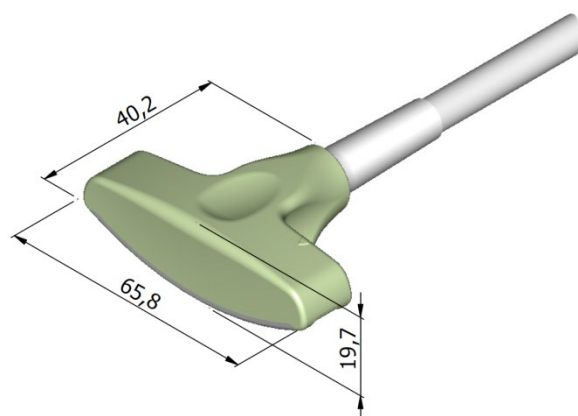


Fig. 2 Technical drawing and dimensions (mm)

Specifications

Transducer Name		I14C5T
Transducer Reference Type		9016
Compatible Ultrasound Systems		bk5000
Applications (Typical)		Intraoperative ¹ Imaging, Abdominal Imaging
Basic Imaging Modes		B, M, Doppler, CFM, Tissue Harmonic Imaging, Contrast Imaging, Elastography
Weight (Approximate)	g	55
Acoustic Aperture	mm	5 x 51
Contact Surface (Overall)	mm	14 x 16
Number of Elements		160
Radius of Curvature	mm	70
Transverse Focal Length (Typical)	mm	23
Image Plane Focal Length	mm	Variable
Image Field		Sector 41° Expanded Sector 71°
Focal Range	mm	10 – 80
Frame Rate (Max)	Hz	>200

¹ Liver, biliary, pancreas, kidney.

Specifications

<p>SAFETY 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>ENVIRONMENTAL Operating Pressure: 700–1060 hPa (normal atmospheric pressure) Operating Temperature: +10 to +40 °C (+50 to +104 °F) Storage Temperature: -25 to +70 °C (-13 to +158 °F)</p> <p>REPROCESSING</p> <ul style="list-style-type: none"> • The reprocessing temperature should not exceed +60 °C. • Complete details and procedures can be found in <i>Care and Cleaning</i>. • Follow manufacturer's instructions for use. 	<p>VALIDATED CLEANING AND DISINFECTION For all cleaning and disinfection methods except wiping, plug must be covered.</p> <p>Manual Cleaning 3E-Zyme™</p> <p>Manual Disinfection Ethanol 70% (wiping) Korsorex® Basic Revital-Ox™ RESERT®/RESERT® XL HLD Tristel® Fuse for Stella</p> <p>Automatic Disinfection¹ MEDIVATORS® Advantage® Plus, with: <ul style="list-style-type: none"> • MEDIVATORS Intercept® Detergent • MEDIVATORS Rapicide® PA • 70% Isopropanol Flush </p> <p>VALIDATED STERILIZATION¹ Immersion Methods (plug must be covered) STERIS® SYSTEM 1®, SYSTEM 1E®, SYSTEM 1 Plus, SYSTEM 1 Express</p> <p>Gas Processes (plug must be uncovered) STERIS® V-Pro™ STERRAD NX™ and 100NX Systems STERRAD 100S and 200 Systems</p>	<p>POWER SUPPLY Internally from system</p> <p>CABLE LENGTH 2.8 m (9.2 ft)</p> <p>¹ Automated reprocessing methods validated for 100 cycles.</p>
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Ordering Information

<p>ACCESSORIES AVAILABLE</p> <p>KE4300: Carrying Case</p> <p>UA1414: Leakage Testing Kit</p> <p>UA2434: Reprocessing Tray</p>	<p>TRANSDUCER COVERS</p> <p>UA0004¹: Intraoperative cable covers, sterile, latex-free, 7.6 x 244 cm (pack of 24)</p> <p>UA0009¹: CIV-Flex™ covers, sterile, latex-free, 8.9 x 61 cm (pack of 24)</p> <p>UA0073: NeoGuard™ SurgiTip™ intraoperative covers, sterile, latex-free, 15.2 x 244 cm, telescopically-folded with attached 3 cm NeoGuard tip (pack of 12)</p> <p>¹ Must be used together.</p>	
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