

E14CL4b (9048) Transducer

The E14CL4b is a high-resolution biplane transducer ideal for precise volume studies and guiding prostate therapy. It is also ideal for imaging the anterior and posterior compartments of the pelvic floor.

- Simultaneous biplane imaging gives you greater confidence in guiding therapy. Use both sagittal and transverse views for better orientation during needle placement
- Expanded sector allows complete visualization of the prostate
- Unique Smart Buttons™ let you switch easily between sagittal and transverse planes. The buttons also freeze, print, and store images with one press
- Sleek design minimizes patient discomfort, and ergonomic design improves operator comfort
- Advanced transducer connector designed for noise reduction in the ultrasound image and one-handed operation
- Perform quick, reliable puncture and biopsy procedures with our reusable needle guide
- Unique, fully immersible transducer for easy sterilization



Fig. 1 E14CL4b transducer

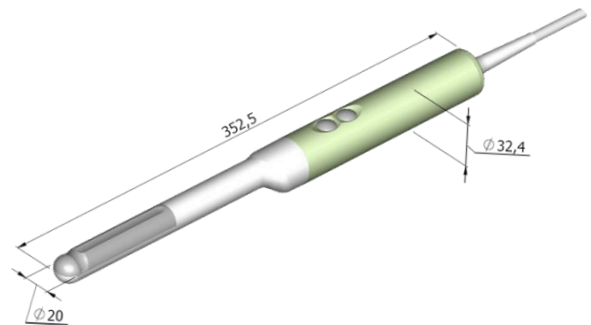


Fig. 2 Technical drawing and dimensions (mm)

Specifications

Transducer Name		E14CL4b	
Transducer Reference Type		9048	
Compatible Ultrasound Systems		bkSpecto, bk3000, bk5000	
Applications (Typical)		Transrectal, Transvaginal	
Basic Imaging Modes¹		B, M, CFM, Doppler, Tissue Harmonic Imaging, Elastography, Contrast Imaging	
Imaging Plane		Transverse	Sagittal
Number of Elements		128	192
Radius of Curvature	mm	9.3	-
Image Field		Sector 138° Expanded sector 178°	Trapezoidal: 65 mm wide + expansion angle 2 x 15°
Acoustic Aperture	mm	23 x 5.5	65 x 5.5
Contact Surface (Overall)	mm ²	127	357
Size of Handle	mm	150 x 32.4	
Weight (Approximate)	g	250	
Transverse Focal Length (Typical)	mm	40	
Image Plane Focal Length	mm	Variable	
Focal Range	mm	3 – 60	
Frame Rate (Max)	Hz	>150	

¹ Not all systems support all imaging modes.

Specifications

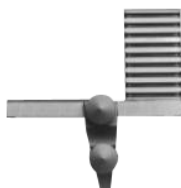
<p>OPERATIONAL FACILITIES Two built-in control buttons</p> <p>SAFETY Designed and tested in accordance with current version of EN60601-1 (IEC60601-1) "Medical Electrical Equipment, Part 1". When used with BK Medical's systems, Type BF requirements are met.</p> <p>ENVIRONMENTAL Operating Pressure: 700–1060 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) Korsolex® Basic Revital-Ox™ RESERT®/RESERT® XL HLD Tristel® Fuse for Stella</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™ Systems STERRAD NX™ and 100NX Systems STERRAD 100S and 200 Systems</p>	<p>POWER SUPPLY Internally from system</p> <p>CABLE LENGTH 2.2 m (7.3 ft)</p> <p>¹ Automated reprocessing methods validated for 100 cycles.</p>
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Ordering Information

<p>ACCESSORIES AVAILABLE</p> <p>KE4326: Carrying Case</p> <p>UA1414: Leakage Testing Kit</p> <p>UA1232: Reusable, transperineal needle guide (bore diameter 2.1 mm; angle of insertion 0° to the long axis of the transducer)</p> <p>UA0059: CIV-Flex™ brachy balloons, non-sterile, latex-free, 2 x 14 cm (pack of 10)</p> <p>UA2022: CIVCO MP Workstation Kit</p> <p>UA2023: CIVCO Classic Stepper Kit</p> <p>UA2024: CIVCO EX3 Stepper Kit</p>	<p>TRANSDUCER COVERS</p> <p>UA0005: Covers, sterile, latex, 2.6 x 30 cm (pack of 24)</p> <p>UA0008: CIV-Flex™ sterile, latex-free, 11.9 cm tapered to 3.8 x 61 cm (pack of 24)</p>	
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Accessory

Reusable Transperineal Needle Guide UA1232



- **Dimensions:** 90 x 90 x 45 mm
- **Weight:** 107 g
- **Material:** Stainless steel AISI303

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