

# Product Specifications



Descriptions and availability are subject to change without notice. Some items may be pending regulatory approval in your region and may not be available for sale or shipping prior to such approval.

Check with your sales representative for details.

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Transducer Specifications

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# **Curved Array**

#### C5-2/60 Convex Transducer



IFU - Abdominal- Gynecology- Obstetrics

- Pediatric- Urology

Transducer may not be exactly as shown

5–2 MHz		Double Double	
		Depth Range	5-30 cm
0.47 mm		Number of Elements	128
56°	Field of '	View (Extended Sector)	81°
2.00 MHz, 2.50 I	MHz <b>C</b> o	lor Doppler Frequency	2.00 MHz, 2.5 MHz
25 mm x 75 mm	า	Elevation Aperture	14 mm
Yes <sup>1</sup>		Biopsy Angle	25° <sup>2</sup>
50 mm		Safety Class	BF
Yes		Radius of Curvature	61 mm
No		Weight	150 g
B13.92 M. 14.66	Color 14.06	B+PW288.73	
	56° 2.00 MHz, 2.50 l 25 mm x 75 mm Yes <sup>1</sup> 50 mm Yes No	56° Field of V  2.00 MHz, 2.50 MHz Co  25 mm x 75 mm  Yes¹  50 mm  Yes  No  B 13.92 Color 14.06	Field of View (Extended Sector)  2.00 MHz, 2.50 MHz  Color Doppler Frequency  Elevation Aperture  Yes¹ Biopsy Angle  50 mm Safety Class  Yes Radius of Curvature  No Weight  B13.92 Color14.06 B+PW288.73

 $<sup>^{\</sup>rm 1}\,$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

#### C7-3/50 Convex Transducer



IFU - Abdominal

- Gynecology

- Obstetrics

- Pediatric

- Urology

Transducer may not be exactly as shown

Bandwidth	7-3 MHz	Depth Range	5–30 cm
Element Pitch	0.48 mm	Number of Elements	128
Field of View (100% Sector)	68°	Field of View (Extended Sector)	93°
PW Doppler Frequency	3.00 MHz 4.00 MHz 5.00 MHz	Color Doppler Frequency	3.00 MHz 5.00 MHz
Physical Footprint	21 mm x 73 mm	Elevation Aperture	11 mm
Biopsy Guide Available	Yes <sup>1</sup>	Biopsy Angle	25° <sup>2</sup>
Geometric Focus	65 mm	Safety Class	BF
Elastography Support	Yes	Radius of Curvature	51 mm
SonixShine Support	No	Weight	135 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B62.98 M 103.29	Color 13.37 B+PW 513.12 PW 470.29 Triplex 380.16	

 $<sup>^{\</sup>rm 1}\,$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

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<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

## **C9-5/10 Microconvex Transducer**



IFU - Abdominal

- Vascular
- Nerve Block
- Small Parts
- Pediatric

Bandwidth	9-5 MHz		Depth Range	3–12 cm
Element Pitch	0.21 mm		Number of Elements	128
Field of View (100% Sector)	148°	Field of V	iew (Extended Sector)	166°
PW Doppler Frequency	5.00 MHz, 8.00 l	MHz <b>Col</b>	or Doppler Frequency	5.00 MHz
Physical Footprint	16 mm x 22 mm	า	<b>Elevation Aperture</b>	6 mm
Biopsy Guide Available	No		<b>Geometric Focus</b>	23 mm
Elastography Support	Yes		Safety Class	BF
SonixShine Support	No		Radius of Curvature	10 mm
Weight	85 g			
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B 10.57 M 9.05	Color102.5 PW561.40	B+PW563.21 Triplex494.19	

## 4DC7-3/40 Convex 4D Transducer



IFU - Abdominal

- Gynecology
- Obstetrics
- Pediatric

Transducer may not be exactly as shown

7–3 MHz	Depth Range	5–24 cm
0.43 mm	Number of Elements	128
79°	Field of View (Extended Sector)	104°
3.50 MHz	Color Doppler Frequency	3.50 MHz
52 mm x 79 mm	Elevation Aperture	11 mm
27 mm	Geometric Focus	50 mm
No	Motor Field of View (max)	70°
Yes	Safety Class	BF
No	Radius of Curvature	40 mm
250 g		
	79° 3.50 MHz 52 mm x 79 mm 27 mm No Yes No 250 g B 9.47	0.43 mm Number of Elements 79° Field of View (Extended Sector) 3.50 MHz Color Doppler Frequency 52 mm x 79 mm Elevation Aperture 27 mm Geometric Focus No Motor Field of View (max) Yes Safety Class No Radius of Curvature 250 g  B 9.47 Color 1.76 B+PW 420.80

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# **Endocavity Microconvex**

# EC9-5/10 Endocavity Microconvex Transducer



IFU - Gynecology- Obstetrics- Urology

Transducer may not be exactly as shown

Bandwidth	9–5 MHz		Depth Range	3–12 cm
Element Pitch	0.21 mm		Number of Elements	128
Field of View (100% Sector)	148°	Field of V	iew (Extended Sector)	166°
PW Doppler Frequency	5.00 MHz	Col	or Doppler Frequency	5.00 MHz
Physical Footprint	17 mm x 22 mm	ı	Elevation Aperture	6 mm
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	10.5° <sup>2</sup>
Geometric Focus	23 mm		Safety Class	BF
Elastography Support	Yes		Radius of Curvature	10 mm
SonixShine Support	No		Weight	155 g
Max Ultrasound Intensity (mW/cm²)	B 5.56 M 12.08	Color 10.44 PW347.02	B+PW209.28 Triplex249.02	

 $<sup>^{1}\,</sup>$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

 $<sup>^{\</sup>rm 2}$  The Biopsy Angle is encoded in the software.

# 4DEC9-5/10 Endocavity Microconvex 4D Transducer



IFU - Gynecology - Obstetrics - Urology

Transducer may not be exactly as shown

Bandwidth	9–5 MHz		Depth Range	5–16 cm
Element Pitch	0.17 mm		Number of Elements	128
Field of View (100% Sector)	124°	Field of V	iew (Extended Sector)	149°
PW Doppler Frequency	5.00 MHz	Col	or Doppler Frequency	5.00 MHz
Physical Footprint	25 mm x 24 mm	1	Elevation Aperture	6.5 mm
Motor Radius of Curvature	12 mm		Safety Class	BF
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	3° <sup>2</sup>
Geometric Focus	27 mm	Mot	tor Field of View (max)	75°
Elastography Support	Yes		Radius of Curvature	10 mm
SonixShine Support	No		Weight	175 g
Max Ultrasound Intensity	B 15.41	Color 33.51	B+PW334.96	
(mW/cm <sup>2</sup> )	M 12.43	PW330.23	Triplex 144.54	

 $<sup>^1\,</sup>$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).  $^2\,$  The Biopsy Angle is encoded in the software.

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## **Transrectal Bi-Plane**

#### BPC8-4/10 and BPL9-5/55



#### **BPC8-4/10 Transrectal Bi-Plane Microconvex Transducer**

Bandwidth	8–4 MHz		Depth Range	3–12 cm
Element Pitch	0.21 mm		Number of Elements	128
Field of View (100% Sector)	149°	Field of Vi	ew (Extended Sector)	167°
PW Doppler Frequency	5.00 MHz, 6.66 MI	Hz <b>Col</b> o	or Doppler Frequency	5.00 MHz, 6.66 MHz
Physical Footprint	11 mm x 21.4 mm	1	Elevation Aperture	7 mm
Biopsy Guide Available	No		Geometric Focus	35 mm
Elastography Support	Yes		Safety Class	BF
SonixShine Support	No		Radius of Curvature	10 mm
Weight	230 g			
Max Ultrasound Intensity (mW/cm <sup>2</sup> )		Color3.26 PW130.38	B+PW 135.34 Triplex 65.12	

#### BPL9-5/55 Transrectal Bi-Plane Linear Transducer

Bandwidth	9–5 MHz	Depth Range	2–9 cm
Element Pitch	0.42 mm	Number of Elements	128
Field of View (100% Sector)	55 mm	Field of View (Extended Sector)	18°
PW Doppler Frequency	5.00 MHz, 6.66 MHz	Elevation Aperture	5mm
Physical Footprint	17.74 mm x 60 mm	Color Doppler Frequency	5.00 MHz, 6.66 MH
Biopsy Guide Available	No	Geometric Focus	20 mm
Elastography Support	Yes	Safety Class	BF
SonixShine Support	No	Steered Angle	0°
Weight	230 g		
Max Ultrasound Intensity		2.92 B+PW 13.12	
(mW/cm <sup>2</sup> )	M40.09 PW	0.73 Triplex4.42	

# **Linear Array**

## L9-4/38 Linear Transducer



IFU - Abdominal

- Vascular

- Nerve Block

- MSK

- Small Parts

- Pediatric

Transducer may not be exactly as shown

Bandwidth	9–4 MHz		Depth Range	2–9 cm
Element Pitch	0.30 mm		Number of Elements	128
Field of View (100% Sector)	38 mm	Field of Vi	ew (Extended Sector)	+35°
PW Doppler Frequency	4.00 MHz, 5.00 N 6.66 MHz	<sup>/</sup> /Hz Colo	or Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz
Physical Footprint	14 mm x 50 mm		Elevation Aperture	6 mm
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	40° <sup>2</sup>
Geometric Focus	19 mm		Safety Class	BF
Elastography Support	Yes		Steered Angle	10°
SonixShine Support	Yes		Weight	85 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B98.37 M110.89	Color 10.60 PW176.99	B+PW 210.97 Triplex 248.85	

 $<sup>^{\</sup>rm 1}\,$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

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<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

## L14-5/38 Linear Transducer



IFU - Abdominal

- Vascular

- Nerve Block

- MSK

- Small Parts

- Pediatric

Transducer may not be exactly as shown

Bandwidth	14-5 MHz		Depth Range	2–9 cm
Element Pitch	0.30 mm		Number of Elements	128
Field of View (100% Sector)	38 mm	Field of Vi	ew (Extended Sector)	+35°
PW Doppler Frequency	4.00 MHz, 5.00 M 6.66 MHz	<sup>/</sup> /Hz Colo	or Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz
Physical Footprint	14 mm x 50 mm	ı	<b>Elevation Aperture</b>	4 mm
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	40° <sup>2</sup>
Geometric Focus	16 mm		Safety Class	BF
Elastography Support	Yes		Steered Angle	10°
SonixShine Support	Yes		Weight	85 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B 4.82 M 16.58	Color 12.04 PW270.75	B+PW 159.38 Triplex 247.30	

<sup>&</sup>lt;sup>1</sup> For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

## L14-5W/60 Linear Transducer



IFU - Abdominal

- Vascular
- MSK
- Small Parts
- Pediatric

Transducer may not be exactly as shown

Bandwidth	14-5 MHz		Depth Range	2–9 cm
Element Pitch	0.47 mm		Number of Elements	128
Field of View (100% Sector)	60 mm	Field of \	View (Extended Sector)	+35°
PW Doppler Frequency	5.00 MHz, 6.66 M	1Hz Co	lor Doppler Frequency	5.00 MHz, 6.66 MHz
Physical Footprint	15 mm x 70 mm		Elevation Aperture	4 mm
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	51° <sup>2</sup>
Geometric Focus	14 mm		Safety Class	BF
Elastography Support	Yes		Steered Angle	0°
SonixShine Support	No		Weight	115 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )		Color 15.67 PW120.91	B+PW 133.63 Triplex 83.64	

 $<sup>^{\</sup>rm 1}\,$  For details, refer to the most recent Biopsy Needle Guide brochure (UXID 00.050.176).

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<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

# L40-8/12 Linear Transducer



IFU - Small Parts

- Vascular
- Peripheral Vascular
- Nerve Block
- MSK
- Pediatric

Transducer may not be exactly as shown

Bandwidth	40-8 MHz	Depth Range	0.1–3.0 cm
Element Pitch	0.1 mm	Number of Elements	128
Field of View (100% Sector)	13 mm	Field of View (Extended Sector)	+35°
PW Doppler Frequency	8.00 MHz, 9 MHz 10.00 MHz	Color Doppler Frequency	8.00 MHz, 9.00 MHz 10.00 MHz
Physical Footprint	10 mm x 22 mm	Elevation Aperture	1.5 mm
Biopsy Guide Available	No	Geometric Focus	6 mm
Elastography Support	Yes	Safety Class	BF
SonixShine Support	No	Steered Angle	10°
Weight	60 g		
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B 94.02 M 32.13	Color144.11 B+PW200.22 PW185.61 Triplex216.94	

## 4DL14-5/38 Linear 4D Transducer



Transducer may not be exactly as shown

IFU - Abdominal

- Vascular
- Nerve Block
- MSK
- Small Parts
- Pediatric

Bandwidth	14-5 MHz	Depth Range	2–9 cm
Element Pitch	0.3 mm	Number of Elements	128
Field of View (100% Sector)	38 mm	Field of View (Extended Sector)	+35°
PW Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz	Color Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz
Physical Footprint	60 mm x 66 mm	Elevation Aperture	5 mm
Biopsy Guide Available	No	Geometric Focus	28 mm
Elastography Support	Yes	Safety Class	BF
SonixShine Support	No	Steered Angle	17.5°
Motor Field of View (max)	30°	Weight	290 g
Max Ultrasound Intensity		r 35.77 B+PW 38.93	
(mW/cm²)	M 26.77 PW	28.19 Triplex 162.35	

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## **HST15-8/20 Linear Transducer**



IFU - Vascular

- Peripheral Vascular
- Nerve Block
- MSK
- Pediatric

Transducer may not be exactly as shown

Bandwidth	15–8 MHz		Depth Range	2–9 cm
Element Pitch	0.2 mm		Number of Elements	128
Field of View (100% Sector)	26 mm	Field of Vi	ew (Extended Sector)	+35°
PW Doppler Frequency	6.66 MHz 10.00 MHz	Colo	or Doppler Frequency	6.66 MHz 10.00 MHz
Physical Footprint	10 mm x 36 mm	1	<b>Elevation Aperture</b>	3.5 mm
Biopsy Guide Available	No		Geometric Focus	12 mm
Elastography Support	Yes		Safety Class	BF
SonixShine Support	No		Steered Angle	10°
Weight	30 g			
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B 5.50 M 6.30	Color28.22 PW276.03	B+PW 277.21 Triplex 21.51	

# **Phased Array**

# SA4-2/24 Phased Array Transducer



IFU - Abdominal

- Cardiac
- Transcranial
- Pediatric

Transducer may not be exactly as shown

Bandwidth	3-2 MHz		Depth Range	5–36 cm
Element Pitch	0.3 mm		Number of Elements	64
Field of View (100% Sector)	90°	Field of \	View (Extended Sector)	N/A
PW Doppler Frequency	2.00 MHz, 2.50 M 3.00 MHz	MHz Co	lor Doppler Frequency	2.00 MHz, 2.50 MHz 3.00 MHz, 3.30 MHz
Piezoelectric Crystal	Single sector	(	CW Doppler Frequency	1.6 MHz
Physical Footprint	19 mm x 27 mm	1	Elevation Aperture	14 mm
Biopsy Guide Available	No		Geometric Focus	68 mm
Elastography Support	No		Safety Class	BF
SonixShine Support	No		Weight	70 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B44.07 M90.80	Color115.10 CW57.60	PW 289.74 B+PW 45.04	Triplex 68.44

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# PA7-4/12 Phased Array Transducer



IFU - Abdominal - Cardiac - Pediatric

Transducer may not be exactly as shown

Bandwidth	7–4 MHz	Depth Range	5–24 cm
Element Pitch	0.2 mm	Number of Elements	64
Field of View (100% Sector)	90°	Field of View (Extended Sector)	N/A
PW Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz	Color Doppler Frequency	4.00 MHz 5.00 MHz, 6.66 MHz
Physical Footprint	13 mm x 22 mm	CW Doppler Frequency	5.00 MHz
Biopsy Guide Available	No	Elevation Aperture	6 mm
Elastography Support	No	Geometric Focus	35 mm
SonixShine Support	No	Safety Class	BF
Weight	70 g		
Max Ultrasound Intensity (mW/cm <sup>2</sup> )		r10.12 B+PW445.19 CW0.02	

## **GPS Transducers**

#### C5-2/60 GPS Convex Transducer



IFU - Abdominal
- Gynecology
- Obstetrics
- Pediatric
- Urology

Transducer may not be exactly as shown

Bandwidth5–2 MHzDepth Range5–30 cmElement Pitch0.47 mmNumber of Elements128Field of View (100% Sector)56°Field of View (Extended Sector)81°PW Doppler Frequency2.00 MHz, 2.50 MHzColor Doppler Frequency2.00 MHz, 2.50 MHz	5 MHz
Field of View (100% Sector) 56° Field of View (Extended Sector) 81°	5 MHz
· · · · · · · · · · · · · · · · · · ·	5 MHz
PW Doppler Frequency 2.00 MHz, 2.50 MHz Color Doppler Frequency 2.00 MHz, 2.5	5 MHz
	J 1411 12
Physical Footprint 25 mm x 75 mm Elevation Aperture 14 mm	
Biopsy Guide Available Yes <sup>1</sup> Biopsy Angle 25° <sup>2</sup>	
Geometric Focus 50 mm Safety Class BF	
Elastography Support Yes Radius of Curvature 61 mm	
SonixShine Support No Weight 150 g	
Max Ultrasound Intensity         B13.92         Color 14.06         B+PW288.73           (mW/cm²)         M 14.66         PW228.06         Triplex280.66	

 $<sup>^{\</sup>rm 1}\,$  For details, refer to the most recent SonixGPS Accessories Catalogue (UXID 00.050.147).

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<sup>&</sup>lt;sup>2</sup> The Biopsy Angle is encoded in the software.

## L14-5/38 GPS Linear Transducer



IFU - Abdominal

- Vascular

- Nerve Block

- MSK

- Small Parts

- Pediatric

Transducer may not be exactly as shown

Bandwidth	14-5 MHz		Depth Range	2–9 cm
Element Pitch	0.30 mm		Number of Elements	128
Field of View (100% Sector)	38 mm	Field of Vi	ew (Extended Sector)	+35°
PW Doppler Frequency	4.00 MHz, 5.00 M 6.66 MHz	<sup>/</sup> /Hz Cole	or Doppler Frequency	4.00 MHz, 5.00 MHz 6.66 MHz
Physical Footprint	15 mm x 50 mm		Elevation Aperture	4 mm
Biopsy Guide Available	Yes <sup>1</sup>		Biopsy Angle	40° <sup>2</sup>
Geometric Focus	16 mm		Safety Class	BF
Elastography Support	Yes		Steered Angle	17.5°
SonixShine Support	Yes		Weight	85 g
Max Ultrasound Intensity (mW/cm <sup>2</sup> )	B 4.82 M 16.58	Color 12.04 PW270.75	B+PW159.38 Triplex247.3	

 $<sup>^{\,1}</sup>$  For details, refer to the most recent SonixGPS Accessories Catalogue (UXID 00.050.147).

 $<sup>^{2}\,</sup>$  The Biopsy Angle is encoded in the software.

# **Cleaning and Maintenance**

# **Approved Cleaning Agents/Solutions**

Refer to Appendix D in the relevant system user manual.

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Transducer Specifications

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