

Transducer Data Sheet



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SPH-TRANSDUCER-E01

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1. Convex

Manufacturer	C251	C252	C253	C35	C41	C42
	Hitachi Ltd. Abdominal Fetal Small organ	Hitachi Ltd. Abdominal Fetal Small organ	Hitachi Ltd. Abdominal Fetal Small organ	Hitachi Ltd. Abdominal Fetal Small organ	Hitachi Ltd. Abdominal Small organ Superficial organs Musculo-skel. Peripheral vessel	Hitachi Ltd. Abdominal Small organ Intraoperative Neonatal Cephalic Peripheral vessel
Medical applications						
	Reference	MN1-6297	MN1-6407	MN1-5847	Q1E-EP1393	Q1E-EP1359
Patients (adult, pediatric, neonatal)	adult pediatric	adult pediatric	adult pediatric	adult pediatric	adult pediatric	adult neonatal pediatric
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex	convex	convex	convex	convex	convex
Number of elements	160	160	160	192	128	128
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics (multi-layer)	single crystal	ceramics (multi-layer)	ceramics (multi-layer)	ceramics	ceramics (multi-layer)
Shape of elements	50R	50R	50R	50R	12R	21R
Dimension of the skin contact area (mm x mm)	72.8 x 10.5	72.8 x 14	72.7 x 15.2	66.8 x 11	26.7 x 9	36.2 x 11
Field of view (linear: width, convex: sector angle)	C: 70deg.	C: 70deg.	C: 70deg.	C: 70deg.	C: 100deg.	C: 100deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)? For 3D / 4D probes: rotation of the probe (electronic or mechanical)	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic convex
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	N/A	N/A	N/A	N/A	N/A	N/A
Weight (probe + connection cable)	300	300	300	310	240	240
Cable length (cm)	220	220	220	220	200	220
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	N/A	N/A	N/A
Sterilization is possible	X	X	X	X	X	X
Recommended method for decontamination and recommended products	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
(Trade name versus active ingredient)	MN1-5998	MN1-5998	MN1-5998	MN1-5998	Q1E-EP1393	Q1E-EP1359
Recommended method for disinfection and recommended products	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
(Trade name versus active ingredient)	MN1-5998	MN1-5998	MN1-5998	MN1-5998	Q1E-EP1393	Q1E-EP1359
Biopsy attachment available	X	X	X	X	N/A	X

*1 Suppose "composite" means 2 dimensional cut structure, All corresponding
natures of each probe are stated.