

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.

1. Convex

Manufacturer		C22P	C25P
		Hitachi Ltd.	Hitachi Ltd.
Medical applications		Abdominal Fetal Biopsy	Abdominal Fetal Biopsy
	Reference	Q1E-EP1457	MN1-5821
Patients (adult, pediatric, neonatal)		adult	adult
	Reference	Q1E-EP1457	MN1-5821
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		convex	convex
Number of elements		128	160
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		ceramics (multi-layer)	ceramics (multi-layer)
Shape of elements		22R	50R
Dimension of the skin contact area (mm x mm)		29.3 x 14.1	72.8 x 15
Field of view (linear: width, convex: sector angle)		C: 74deg.	C: 70deg.
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
		N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)		N/A	N/A
Nominal Imaging Frequencies		3.0MHz (6-1MHz)	3.0MHz (5-1MHz)
Weight (probe + connection cable)		490	250
Cable length (cm)		220	220
Fully immersible probe (specify whether the connector is also immersible)		N/A	N/A
Sterilization is possible		X	X
Recommended method for decontamination and recommended products		See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	Q1E-EP1457	MN1-5998
Recommended method for disinfection and recommended products		See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	Q1E-EP1457	MN1-5998
Biopsy attachment available		X	X

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

2. Linear

	L34	L44	L441	L442	L55
Manufacturer	Hitachi Ltd. Abdominal Small organ Musculo-skel. Peripheral vessel	Hitachi Ltd. Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organ Cervical Mammary gland	Hitachi Ltd. Abdominal Small organ Musculo-skel. Peripheral vessel Carotid artery	Hitachi Ltd. Abdominal Small organ Musculo-skel. Peripheral vessel	Hitachi Ltd. Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organs Thyroid Mammary gland
Medical applications					
Patients (adult, pediatric, neonatal)	Reference				
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	Q1E-EP1361 adult pediatric	Q1E-EP1370 adult pediatric	MN1-5825 adult pediatric	MN1-6423 adult pediatric	Q1E-EP1368 adult pediatric
Number of elements	Q1E-EP1361 linear	Q1E-EP1370 linear	MN1-5825 linear	MN1-6423 linear	Q1E-EP1368 linear
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	128 ceramics (multi-layer)	160 composite	192 ceramics	192 ceramics	192 composite
Shape of elements	-	-	-	-	-
Dimension of the skin contact area (mm x mm)	41.0 x 11	42.1 x 11.2	42.1 x 8.8	41.9 x 11.1	54.8 x 10.2
Field of view (linear: width, convex: sector angle)	L: 38mm	L: 38mm	L: 38mm	L: 38mm	L: 50mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)? For 3D / 4D probes: rotation of the probe (electronic or mechanical) For 3D / 4D probes: sweep angle (in degrees)	Electronic linear N/A N/A	Electronic linear N/A N/A	Electronic linear N/A N/A	Electronic linear N/A N/A	Electronic linear N/A N/A
Nominal Imaging Frequencies	5MHz (7-3MHz)	6.5MHz (9-4MHz)	6.0MHz (12-2MHz)	7.0MHz (12-2MHz)	7.5MHz (13-5MHz)
Weight (probe + connection cable)	230	220	300	300	250
Cable length (cm)	220	220	200	220	220
Fully immersible probe (specify whether the connector is also immersible) Sterilization is possible	N/A X	N/A X	N/A X	N/A X	N/A X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
Reference	Q1E-EP1361	Q1E-EP1370	MN1-5998	MN1-5998	Q1E-EP1368
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
Reference	Q1E-EP1361	Q1E-EP1370	MN1-5998	MN1-5998	Q1E-EP1368
Biopsy attachment available	X	X	X	X	X

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

2. Linear

Manufacturer	L64	SML44
	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organs Thyroid Mammary gland	Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organs Vascular Mammary gland
	Reference	MN1-6363
Patients (adult, pediatric, neonatal)	adult pediatric	adult pediatric
	Reference	MN1-6363
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	linear	linear
Number of elements	192	1728
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	composite	CMUT
Shape of elements	-	-
Dimension of the skin contact area (mm x mm)	42.1 x 8.7	45.7 x 11.4
Field of view (linear: width, convex: sector angle)	L: 38mm	L: 38mm
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 linear	Electronic linear
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A
Nominal Imaging Frequencies	N/A	N/A
Weight (probe + connection cable)	10MHz (18-5MHz)	7.5MHz (22-2MHz)
Cable length (cm)	250	420
Fully immersible probe (specify whether the connector is also immersible)	220	220
Sterilization is possible	N/A	N/A
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	X	X
	See Instructon Manual	See Instructon Manual
	Reference	MN1-5998
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Q1E-EP1366	See Instructon Manual
	See Instructon Manual	See Instructon Manual
	Reference	MN1-5998
Biopsy attachment available	X	N/A

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

3. Sector

Manufacturer	S11	S12	S121	S211	S22
	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Cardiovascular Fetal Abdominal Adult Cephalic Peripheral vessel	Cardiovascular Fetal Abdominal Adult Cephalic Peripheral vessel	Cardiovascular Fetal Abdominal Adult Cephalic Peripheral vessel	Cardiovascular Fetal Abdominal Adult Cephalic Peripheral vessel	Cardiovascular Fetal Abdominal Adult Cephalic Peripheral vessel
Reference	MN1-6409	MN1-5845	MN1-6279	MN1-5843	MN1-6299
Patients (adult, pediatric, neonatal)	adult pediatric	adult pediatric	adult pediatric	adult pediatric	adult pediatric
Reference	MN1-6409	MN1-5845	MN1-6279		
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	sector	sector	sector	sector	sector
Number of elements	64	80	80	64	80
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	single crystal	single crystal	crystals	ceramics
Shape of elements	-	-	-	-	-
Dimension of the skin contact area (mm x mm)	24.1 x 17.2	23.0 x 16	22.1 x 15.2	23.5 x 17	22.1 x 15.2
Field of view (linear: width, convex: sector angle)	S: 90deg. (wide scan: 120deg.)	S: 90deg.	S: 90deg. (wide scan: 120deg.)	S: 90deg.	S: 90deg.
Type of scanning: mechanical? Electronic linear?	Phased Array	Phased Array	Phased Array	Phased Array	Phased Array
Sector electronics (phased array or curved probe)?					
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	2.5MHz (5-1MHz)	3.0MHz (5-1MHz)	2.75MHz (5-1MHz)	3.0MHz (5-1MHz)	3.0MHz (5-1MHz)
Weight (probe + connection cable)	130	180	190	180	190
Cable length (cm)	220	220	225	220	190
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	N/A	N/A
Sterilization is possible	X	X	X	X	X
Recommended method for decontamination and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	MN1-5998	MN1-5998	MN1-5998	MN1-5998	MN1-5998
Recommended method for disinfection and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	MN1-5998	MN1-5998	MN1-5998	MN1-5998	MN1-5998
Biopsy attachment available	N/A	N/A	N/A	N/A	N/A

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

3. Sector

Manufacturer	S31	S42	S3ESL	S3ESL1
	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Cardiovascular Abdominal Neonatal Cephalic	Cardiovascular Abdominal Neonatal Cephalic	Trans-esophageal Heart and thoracic aorta	Trans-esophageal Heart and thoracic aorta
	Reference			
Patients (adult, pediatric, neonatal)	Q1E-EP1376 adult pediatric neonatal	MN1-6088 adult pediatric neonatal	MN1-6088 adult pediatric	MN1-6111 adult pediatric
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	Q1E-EP1376 sector	MN1-6088 sector	MN1-6088 sector/ endocavitary	MN1-6111 sector/ endocavitary
Number of elements	64	96	64	64
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	single crystal	ceramics (multi-layer)	ceramics	ceramics
Shape of elements	-	-	-	-
Dimension of the skin contact area (mm x mm)	13.9 x 12	13.0 x 10	diameter 12.2	diameter 11.8
Field of view (linear: width, convex: sector angle)	S: 90deg. (wide scan: 100deg.)	S: 90deg. (wide scan: 100deg.)	S: 90deg.	S: 90deg.
Type of scanning: mechanical? Electronic linear?	Phased Array	Phased Array	Phased Array	Phased Array
Sector electronics (phased array or curved probe)?				
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	5.0MHz (9-2MHz)	8.0MHz (14-3MHz)	5.0MHz (8-2MHz)	5.0MHz (9-2MHz)
Weight (probe + connection cable)	140	140	940	690
Cable length (cm)	220	220	156	210
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	X
Sterilization is possible	X	X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
Reference	Q1E-EP1376	MN1-5998	MN1-5998	MN1-6117
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
Reference	Q1E-EP1376	MN1-5998	MN1-5998	MN1-6117
Biopsy attachment available	N/A	N/A	N/A	N/A

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

4. Endocavity

Manufacturer	C41V	C41V1	C41B	C41RP	R41R	R41RL	C41L47RP
	Hitachi Ltd. OB/GYN Fetal Trans-rectal Trans-vaginal	Hitachi Ltd. OB/GYN Fetal Trans-rectal Trans-vaginal	Hitachi Ltd. OB/GYN Fetal Trans-rectal Trans-vaginal	Hitachi Ltd. Urological Trans-rectal Trans-vaginal	Hitachi Ltd. Urological Trans-rectal	Hitachi Ltd. Urological Trans-rectal	Hitachi Ltd. Urological Transrectal
Medical applications	Q1E-EP1363 adult	Q1E-EP1432 adult	MN1-6019 adult	MN1-5827 adult	MN1-5930 adult	MN1-6033 adult	Q1E-EP1451 adult
Patients (adult, pediatric, neonatal)	Q1E-EP1363	Q1E-EP1432	MN1-6019	MN1-5827	MN1-5930	MN1-6033	Q1E-EP1451
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex/ endocavitary	convex/ endocavitary	convex/ endocavitary	convex/ endocavitary	convex/ endocavitary	convex/ endocavitary	linear/ convex/ endocavitary
Number of elements	192	192	192	156	256	256	sagittal: 192 axial: 192
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics (multi-layer)	ceramics (multi-layer)	ceramics	ceramics	ceramics	ceramics
Shape of elements	10R	10R	10R	9R	6R	6R	sagittal: - axial: 10R
Dimension of the skin contact area (mm x mm)	42.9 x 9.6	42.9 x 10	42.9 x 10	31.419.5	38.6 x 9	38.6 x 9	L(s): 7.6 x 10 C(a): 42.6 x 9.6
Field of view (linear: width, convex: sector angle)	C: 200deg.	C: 200deg.	C: 200deg.	C: 180deg.	C: 360deg.	C: 360deg.	L(s): 64mm C(a): 200deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic (s) linear (a) convex
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	6.5MHz (8-4MHz)	6.5MHz (10-2MHz)	6.5MHz (10-2MHz)	6.0MHz (9-2MHz)	7.5MHz (10-5MHz)	7.5MHz (10-5MHz)	sagittal: 7.5MHz (10-5MHz) axial: 6.5MHz (8-4MHz)
Weight (probe + connection cable)	390	590	330	425	530	530	1090
Cable length (cm)	220	250	250	250	210	210	220
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	X	X	X	X	N/A
Sterilization is possible	X	X	X	X	X	X	X
Recommended method for decontamination and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Q1E-EP1363	Q1E-EP1432	MN1-6161	MN1-6161	MN1-6161	MN1-6161	Q1E-EP1451
Recommended method for disinfection and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Q1E-EP1363	Q1E-EP1432	MN1-6161	MN1-6161	MN1-6161	MN1-6161	Q1E-EP1451
Biopsy attachment available	X	X	X	X	N/A	N/A	X

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

4. Endocavity

Manufacturer	CL4416R	CC41R	CC41R1
	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Urological Trans-rectal	OB/GYN Urological Fetal Trans-rectal	OB/GYN Urological Fetal Trans-rectal
	Reference	MN1-6266 adult	MN1-6264 adult
Patients (adult, pediatric, neonatal)	Reference	MN1-5928 adult	MN1-6264 adult
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	linear/ convex/ endocavitary	convex/ convex/ endocavitary	convex/ convex/ endocavitary
Number of elements	sagittal: 192 axial: 152	sagittal: 96 axial: 128	sagittal: 152 axial: 152
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics (multi-layer)	ceramics	ceramics (multi-layer)
Shape of elements	sagittal: - axial: 9R	sagittal: 10R axial: 10R	sagittal: 9R axial: 9R
Dimension of the skin contact area (mm x mm)	L(s): 72.6 x 9.3 C(a): 34.7 x 10	C(s): 23.6 x 12.7 C(a): 30.8 x 12	C(s): 34.7 x 10 C(a): 34.7 x 10
Field of view (linear: width, convex: sector angle)	L(s): 63mm C(a): 180deg.	C(s): 100deg. C(a): 120deg.	C(s): 180deg. C(a): 180deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic (s) linear (a) convex	Electronic (s) convex (a) convex	Electronic (s) convex (a) convex
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A
Nominal Imaging Frequencies	sagittal: 7.5MHz (14-2MHz) axial: 6.5MHz (10-2MHz)	sagittal: 6.5MHz (8-4MHz) axial: 6.5MHz (8-4MHz)	sagittal: 6.5MHz (10-2MHz) axial: 6.5MHz (10-2MHz)
Weight (probe + connection cable)	490	445	440
Cable length (cm)	250	210	250
Fully immersible probe (specify whether the connector is also immersible)	X	N/A	X
Sterilization is possible	X	X	X
Recommended method for decontamination and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	MN1-6161	MN1-6161
Recommended method for disinfection and recommended products	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	MN1-6161	MN1-6161
Biopsy attachment available	X	X	X

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

5. Intraoperative

Manufacturer	C22K	C22T	C22I	C42K	C42T	L43K
	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Intraoperative Abdominal	Intraoperative	Intraoperative	Intraoperative Small Organ	Intraoperative Neurosurgery	Intraoperative
Reference	Q1E-EP1389	MN1-6031	MN1-6119	Q1E-EP1391	MN1-5823	MN1-6025
Patients (adult, pediatric, neonatal)	adult	adult	adult	adult	adult	adult
Reference	Q1E-EP1389	MN1-6031	MN1-6119	Q1E-EP1391	MN1-5823	MN1-6025
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex	convex	convex	convex	convex	linear
Number of elements	90	90	90	144	144	128
Nature of elements *1:	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
crystals, ceramics, polymers, composite, CMUT						
Shape of elements	21R	20R	20R	21R	20R	-
Dimension of the skin contact area (mm x mm)	33.8 x 11.4	33.8 x 11.4	33.8 x 11.4	28.8 x 10.1	28.8 x 10.1	31.5 x 7.2
Field of view (linear: width, convex: sector angle)	C: 82deg.	C: 82deg.	C: 82deg.	C: 65deg.	C: 65deg.	L: 26mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic convex	Electronic linear
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	3.5MHz (6-1MHz)	3.5MHz (6-1MHz)	3.5MHz (6-1MHz)	7.5MHz (10-4MHz)	7.5MHz (10-3MHz)	7.0MHz (12-2MHz)
Weight (probe + connection cable)	160	180	180	350	180	155
Cable length (cm)	290	290	290	300	290	300
Fully immersible probe (specify whether the connector is also immersible)	N/A	X	X	N/A	X	X
Sterilization is possible	X	X	X	X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP1389	MN1-6000	MN1-6000	Q1E-EP1391	MN1-6000	MN1-6369
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP1389	MN1-6000	MN1-6000	Q1E-EP1391	MN1-6000	MN1-6369
Biopsy attachment available	X	N/A	N/A	X	N/A	N/A

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

*2 Applicable to the United States only.

5. Intraoperative

Manufacturer	L44K	L46K	L46K1	L44LA	L44LA1	L51K
	Hitachi Ltd. Intraoperative	Hitachi Ltd. Intraoperative	Hitachi Ltd. Intraoperative	Hitachi Ltd. Intraoperative Laparoscopic	Hitachi Ltd. Intraoperative Laparoscopic	Hitachi Ltd. Intraoperative
Medical applications						
	Reference					
Patients (adult, pediatric, neonatal)	MN1-6127 adult	MN1-5829 adult	MN1-6129 adult	MN1-6013 adult	MN1-6101 adult	MN1-6268 adult
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	MN1-6127 linear	MN1-5829 linear	MN1-6129 linear	MN1-6013 linear/ endocavity	MN1-6101 linear/ endocavity	MN1-6268 linear
Number of elements	192	192	192	192	64	64
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Shape of elements	-	-	-	-	-	-
Dimension of the skin contact area (mm x mm)	48.3 x 10.3	77 x 10	70.3 x 10.3	44.2 x 6.4	43.3 x 7.2	16.4 x 5.3
Field of view (linear: width, convex: sector angle)	L: 42mm	L: 60mm	L: 63mm	L: 36mm	L: 38mm	L: 13mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic linear	Electronic linear	Electronic linear	Electronic linear	Electronic linear	Electronic linear
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	7.5MHz (14-2MHz)	7.5MHz (13-3MHz)	7.5MHz (14-2MHz)	7.0MHz (13-2MHz)	7.5MHz (13-2MHz)	8.5MHz (15-3MHz)
Weight (probe + connection cable)	360	460	360	665	250	100
Cable length (cm)	300	300	300	300	290	300
Fully immersible probe (specify whether the connector is also immersible)	X	X	X	N/A	X	X
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)	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000
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)	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000
Biopsy attachment available	N/A	X	N/A	X	X	N/A

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

*2 Applicable to the United States only.

5. Intraoperative

Manufacturer	Hitachi Ltd.	S31KP	L31KP
Medical applications	Intraoperative	Neurosurgery	Intraoperative Neurosurgery *2
Patients (adult, pediatric, neonatal)	Reference	MN1-5831	MN1-6421
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	adult	adult	adult
Number of elements	Reference	MN1-5831	MN1-6421
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	linear	sector	linear
Shape of elements	128	34	48
Dimension of the skin contact area (mm x mm)	ceramics	ceramics	ceramics
Field of view (linear: width, convex: sector angle)	-	-	-
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	8.0 x 29.8	8.0 x 8	6.9 x 6.5
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	L: 25mm	S: 90deg.	L: 6mm
For 3D / 4D probes: sweep angle (in degrees)	Electronic linear	Phased Array	Electronic linear
Nominal Imaging Frequencies	N/A	N/A	N/A
Weight (probe + connection cable)	N/A	N/A	N/A
Cable length (cm)	8.5MHz (15-3MHz)	5.0MHz (8-3MHz)	5.0MHz (9-2MHz)
Fully immersible probe (specify whether the connector is also immersible)	260	180	180
Sterilization is possible	300	250	300
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	X	X	X
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	X	X	X
Biopsy attachment available	See Instruction Manual	See Instruction Manual	See Instruction Manual
	MN1-6000	MN1-6000	MN1-6000
	See Instruction Manual	See Instruction Manual	See Instruction Manual
	MN1-6000	MN1-6000	MN1-6000
	N/A	X	X

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

*2 Applicable to the United States only.

6. 4D

Manufacturer	MXS1	MXS2ESLL1	VC34	VC34A	VC35
	Hitachi Ltd. Abdominal Fetal Adult Cephalic Peripheral vessel Cardiovascular	Hitachi Ltd. Trans-esophageal Heart thoracic aorta	Hitachi Ltd. Abdominal Fetal Small Organ General OB/GYN	Hitachi Ltd. Abdominal Fetal Small Organ General OB/GYN	Hitachi Ltd. Abdominal Fetal Small Organ General OB/GYN
Medical applications					
	Reference				
Patients (adult, pediatric, neonatal)					
	Reference				
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)					
Number of elements					
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT					
Shape of elements					
Dimension of the skin contact area (mm x mm)					
Field of view (linear: width, convex: sector angle)					
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)? For 3D / 4D probes: rotation of the probe (electronic or mechanical)					
For 3D / 4D probes: sweep angle (in degrees)					
Nominal Imaging Frequencies					
Weight (probe + connection cable)					
Cable length (cm)					
Fully immersible probe (specify whether the connector is also immersible)					
Sterilization is possible					
Recommended method for decontamination and recommended products (Trade name versus active ingredient)					
Recommended method for disinfection and recommended products (Trade name versus active ingredient)					
Biopsy attachment available					

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

6. 4D

Manufacturer	VC41V	VL54
	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Fetal Trans-vaginal General OB/GYN	Abdominal Small Organ Musculo-skel. Superficial Peripheral vessel
	Reference	MN1-5837
Patients (adult, pediatric, neonatal)	adult	adult pediatric
	Reference	MN1-5837
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	MN1-5863 convex/ endocavity/ 4D	linear/ 4D
Number of elements	136	160
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	composite
Shape of elements	10R	-
Dimension of the skin contact area (mm x mm)	25 x 25	48 x 56
Field of view (linear: width, convex: sector angle)	C: 140deg.	L: 38mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex/ Mechanical sector	Electronicconvex/ Mechanical sector
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	mechanical	mechanical
For 3D / 4D probes: sweep angle (in degrees)	90deg.	29deg.
Nominal Imaging Frequencies	6.0MHz (8-2MHz)	7.5MHz (13-5MHz)
Weight (probe + connection cable)	620	610
Cable length (cm)	200	210
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A
Sterilization is possible	X	X
Recommended method for decontamination and recommended products	See Instrukton Manual	See Instrukton Manual
(Trade name versus active ingredient)	Reference	MN1-6002
Recommended method for disinfection and recommended products	See Instrukton Manual	See Instrukton Manual
(Trade name versus active ingredient)	Reference	MN1-6002
Biopsy attachment available	N/A	N/A

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

7. EUPseries

Manufacturer	EUP-B514 Hitachi Ltd.	EUP-L53L Hitachi Ltd.	EUP-O54J Hitachi Ltd.	EUP-B715 Hitachi Ltd.	EUP-C715 Hitachi Ltd.	EUP-L74M Hitachi Ltd.	EUP-O53T Hitachi Ltd.
Medical applications	Biopsy Abdomen	Small organ Peripheral vessel Pediatric Abdomen	Intraoperative Peripheral vascular Musculoskeletal	Biopsy Abdominal organs	Abdominal organs Biopsy	Mammary gland Thyroid Superficial organs	Intraoperative Biopsy
Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041	Q1E-EP0403
Patients (adult, pediatric, neonatal)	adult	adult pediatric	adult	adult	adult	adult	adult
Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041	Q1E-EP0403
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex	linear	linear	convex	convex	linear	linear
Number of elements	192	256	128	160	160	192	160
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics	ceramics	ceramics (multi-layer)	ceramics (multi-layer)	composite	ceramics
Shape of elements	40R	-	-	50R	50R	-	-
Dimension of the skin contact area (mm x mm)	79.8 × 14.8	99.4 × 11	5.5 × 28.7	72.8 × 15	72.8 × 15	54.8 × 10.2	62.4 × 15.1
Field of view (linear: width, convex: sector angle)	C: 90deg.	L: 92mm	L: 25mm	C: 70deg.	C: 70deg.	L: 50mm	L: 57mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic linear	Electronic linear	Electronic convex	Electronic convex	Electronic linear	Electronic linear
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	3.5MHz (5-2MHz)	7.5MHz (10-5MHz)	10.0MHz (13-7MHz)	3.5MHz (5-1MHz)	3.0MHz (5-1MHz)	7.5MHz (13-5MHz)	7.5MHz (10-5MHz)
Weight (probe + connection cable)	390	1040	190	320	320	250	540
Cable length (cm)	220	220	220	220	220	220 (option 320)	220
Fully immersible probe (specify whether the connector is also immersible)	X	N/A	X	N/A	N/A	N/A	N/A
Sterilization is possible	X	X	X	X	X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041	Q1E-EP0403
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041	Q1E-EP0403
Biopsy attachment available	X	N/A	N/A	X	X	X	X

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

7. EUPseries

	EUP-O732T Hitachi Ltd. Intraoperative	EUP-OL334 Hitachi Ltd. Gallbladder Liver	EUP-CC53S Hitachi Ltd. Urological OB/GYN	EUP-R54W-19 Hitachi Ltd. Transrectal Biopsy	EUP-U531 Hitachi Ltd. Transrectal Biopsy
Manufacturer					
Medical applications					
Reference	Q1E-EP1234 adult	Q1E-EP0304 adult	Q1E-EP1357 adult	Q1E-EP0609 adult	Q1E-EP1003 adult
Patients (adult, pediatric, neonatal)					
Reference	Q1E-EP1234 convex	Q1E-EP0304 convex	Q1E-EP1357 convex/ endocavitary	Q1E-EP0609 convex	Q1E-EP1003 convex
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)					
Number of elements	144	96	sagittal: 96 axial: 128	256	192
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics	ceramics	ceramics	ceramics
Shape of elements	20R	40R	sagittal: 10R axial: 10R	6R	10R
Dimension of the skin contact area (mm x mm)	28.8 x 10.1	35.0 x 7.3	C(s): 23.6 x 12.7 C(a): 30.8 x 12	38.6 x 9	42.9 x 9.6
Field of view (linear: width, convex: sector angle)	C: 65deg.	C: 40deg.	C(s): 100deg. C(a): 120deg.	C: 360deg.	C: 200deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic convex	Electronic (s) convex (a) convex	Electronic convex	Electronic convex
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	7.5MHz (10-3MHz)	7.5MHz (10-5MHz)	sagittal: 6.5MHz (8-4MHz) axial: 6.5MHz (8-4MHz)	7.5MHz (10-5MHz)	6.5MHz (8-4MHz)
Weight (probe + connection cable)	190	540	195	640	340
Cable length (cm)	290	300	210	220	220
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	X	N/A
Sterilization is possible	X	X	X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP1234	Q1E-EP0304	Q1E-EP1357	Q1E-EP0609	Q1E-EP1003
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	Q1E-EP1234	Q1E-EP0304	Q1E-EP1357	Q1E-EP0609	Q1E-EP1003
Biopsy attachment available	X	N/A	X	N/A	X

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

8. USTseries

Manufacturer	UST-52105 Hitachi Ltd.	UST-52126 Hitachi Ltd.	UST-5418 Hitachi Ltd.	UST-5550 Hitachi Ltd.	UST-9130 Hitachi Ltd.
Medical applications	Circulatory organs	Heart Thoracic aorta	Intraoperative	Intraoperative	Abdomen
Patients (adult, pediatric, neonatal)	Reference MN1-5064 adult	MN1-5791 adult	MN1-5783 adult	MN1-5308 adult	MN1-5160 adult
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	Reference MN1-5064 sector	MN1-5791 sector	MN1-5783 linear	MN1-5308 linear	MN1-5160 convex
Number of elements	80	64	192	64	186
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics	ceramics	ceramics	ceramics
Shape of elements	-	-	-	-	60R
Dimension of the skin contact area (mm x mm)	22.1 x 15.2	diameter 12.2	44.2 x 6.4	43.1 x 7.2	81.5 x 14
Field of view (linear: width, convex: sector angle)	S: 90deg.	S: 90deg.	L: 36mm	L: 38mm	C: 60deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Phased Array	Phased Array	Electronic linear	Electronic linear	Electronic convex
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	2.9MHz (5-1MHz)	5.1MHz (10-1MHz)	7MHz (13-2MHz)	7.5MHz (13-4MHz)	3.6MHz (6-2MHz)
Weight (probe + connection cable)	170	770	670	470	290
Cable length (cm)	180	156	300	290	200
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	X	N/A
Sterilization is possible	X	N/A	X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	MN1-5064	MN1-5791	MN1-5783	MN1-5308	MN1-5160 MN1-5493
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
Reference	MN1-5064	MN1-5791	MN1-5783	MN1-5308	MN1-5160 MN1-5493
Biopsy attachment available	N/A	N/A	N/A	N/A	X

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

8. USTseries

Manufacturer		UST-9132I Hitachi Ltd.
Medical applications	Reference	Intraoperative MN1-5221 adult MN1-5221 convex 144 ceramics 20R 28.8 x 10.1 C: 65deg. Electronic convex N/A N/A 7.5MHz (10-3MHz) 150 290 X X See Instruction Manual MN1-5221 See Instruction Manual MN1-5221 N/A
Patients (adult, pediatric, neonatal)	Reference	
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		
Number of elements		
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		
Shape of elements		
Dimension of the skin contact area (mm x mm)		
Field of view (linear: width, convex: sector angle)		
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?		
For 3D / 4D probes: rotation of the probe (electronic or mechanical)		
For 3D / 4D probes: sweep angle (in degrees)		
Nominal Imaging Frequencies		
Weight (probe + connection cable)		
Cable length (cm)		
Fully immersible probe (specify whether the connector is also immersible)		
Sterilization is possible		
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	Reference	
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Reference	
Biopsy attachment available		

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

9. Independent

		UST-2265-2	UST-2266-5
Manufacturer		Hitachi Ltd.	Hitachi Ltd.
Medical applications		Circulatory organs	Circulatory organs
	Reference	MN1-0833	MN1-0831
Patients (adult, pediatric, neonatal)		adult pediatric	adult pediatric
	Reference	MN1-0833	MN1-0831
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		independent	independent
Number of elements		2	2
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		ceramics	ceramics
Shape of elements		-	-
Dimension of the skin contact area (mm x mm)		diameter 16.2	diameter 9
Field of view (linear: width, convex: sector angle)		N/A	N/A
Type of scanning: mechanical? Electronic linear?		N/A	N/A
Sector electronics (phased array or curved probe)?			
For 3D / 4D probes: rotation of the probe (electronic or mechanical)		N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)		N/A	N/A
Nominal Imaging Frequencies		2.0MHz	5.0MHz
Weight (probe + connection cable)		165	150
Cable length (cm)		200	200
Fully immersible probe (specify whether the connector is also immersible)		N/A	N/A
Sterilization is possible		X	X
Recommended method for decontamination and recommended products		See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	MN1-0833	MN1-0831
Recommended method for disinfection and recommended products		See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	MN1-0833	MN1-0831
Biopsy attachment available		N/A	N/A

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

10. Transducers for FUTUS

Manufacturer	CA2-8AD-H Hitachi Ltd.	CF4-9-H Hitachi Ltd.	EVN4-9-H Hitachi Ltd.	LA3-16AD-H Hitachi Ltd.	PN2-4-H Hitachi Ltd.
Medical applications	Abdomen, OB, GYN, MSK, Pediatric, Vascular, Urology	Abdomen, OB, GYN, MSK, Pediatric, Vascular, Urology	OB, GYN, Urology	Abdomen, MSK, Small Parts, Vascular, OB, GYN, Pediatric	Abdomen, Cardiac, Vascular, Pediatric
	Reference	MN1-6474	MN1-6474	MN1-6474	MN1-6474
Patients (adult, pediatric, neonatal)	adult pediatric	adult pediatric	adult	adult pediatric	adult pediatric
	Reference	MN1-6474	MN1-6474	MN1-6474	MN1-6474
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex	convex	convex	linear	sector
Number of elements	192	128	128	192	64
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics	ceramics	ceramics	ceramics
Shape of elements	60R	14R	10R	-	-
Dimension of the skin contact area (mm x mm)	70 x 16	28 x 9	37 x 10	46 x 8	26 x 17
Field of view (linear: width, convex: sector angle)	C: 58 deg.	C: 92 deg.	C: 148 deg.	L: 38.4mm	S: 90 deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic convex	Electronic convex	Electronic linear	Phased Array
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	N/A	N/A	N/A	N/A	N/A
For 3D / 4D probes: sweep angle (in degrees)	N/A	N/A	N/A	N/A	N/A
Nominal Imaging Frequencies	4.3 MHz (1.6-7.6MHz)	6.4 MHz (2.6-9.9MHz)	6.6 MHz (2.8-10.7MHz)	8.7 MHz (2.4-15.3MHz)	2.6 MHz (1.1-4.3MHz)
Weight (probe + connection cable)	635	455	580	575	455
Cable length (cm)	220	220	250	220	215
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A	N/A	N/A	N/A
Sterilization is possible	N/A	N/A	N/A	N/A	N/A
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
	Reference	MN1-6474	MN1-6474	MN1-6474	MN1-6474
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual	See Instruction Manual
	Reference	MN1-6474	MN1-6474	MN1-6474	MN1-6474
Biopsy attachment available	N/A	N/A	X	N/A	N/A

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

10. Transducers for FUTUS

Manufacturer	VN4-8-H	V5-9-H
	Hitachi Ltd.	Hitachi Ltd.
Medical applications	Abdomen, OB, GYN, MSK, Pediatric, Vascular, Urology	OB, GYN, Urology
	Reference	MN1-6474
Patients (adult, pediatric, neonatal)	adult pediatric	adult
	Reference	MN1-6474
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)	convex/ 4D	convex/ 4D
Number of elements	128	192
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT	ceramics	ceramics
Shape of elements	38R	10R
Dimension of the skin contact area (mm x mm)	66 x 45	23 x 23
Field of view (linear: width, convex: sector angle)	C: 77 deg.	C: 150 deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?	Electronic convex	Electronic convex
For 3D / 4D probes: rotation of the probe (electronic or mechanical)	Mechanical	Mechanical
For 3D / 4D probes: sweep angle (in degrees)	85 deg.	90 deg.
Nominal Imaging Frequencies	4.5 MHz, (1.5-7.7MHz)	5.9 MHz (2.4-10.0MHz)
Weight (probe + connection cable)	675	825
Cable length (cm)	220	240
Fully immersible probe (specify whether the connector is also immersible)	N/A	N/A
Sterilization is possible	N/A	N/A
Recommended method for decontamination and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual
	Reference	MN1-6474
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	See Instruction Manual	See Instruction Manual
	Reference	MN1-6474
Biopsy attachment available	N/A	N/A

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