

Transducer Data Sheet

1. Convex

		C251	C252	C253	C35	C41	C42
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Abdominal Fetal Small organ	Abdominal Fetal Small organ	Abdominal Fetal Small organ	Abdominal Fetal Small organ	Abdominal Small organ Superficial organs Musculo-skel. Peripheral vessel	Abdominal Small organ Intraoperative Neonatal Cephalic Peripheral vessel
	Reference	MN1-5839	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
	Reference	MN1-5839	MN1-6297	MN1-6407	MN1-5847	Q1E-EP1393	Q1E-EP1359
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 × 10.5	72.8 × 14	72.7 × 15.2	66.8 × 11	26.7 × 9	36.2 × 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)?		Electronic convex	Electronic convex	Electronic convex	Electronic 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	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		3.0MHz (5-1MHz)	3.0MHz (6-1MHz)	3.0MHz (5-1MHz)	5.0MHz (8-2MHz)	7.5MHz (13-4MHz)	6.5MHz (8-4MHz)
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 (Trade name versus active ingredient)	Reference	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual Q1E-EP1393	See Instructon Manual Q1E-EP1359
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Reference	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual MN1-5998	See Instructon Manual Q1E-EP1393	See Instructon Manual Q1E-EP1359
Biopsy attachment available		X	X	X	X	N/A	X

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

1. Convex

		C22P	C25P
Manufacturer		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 × 14.1	72.8 × 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)?		Electronic convex	Electronic convex
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		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 (Trade name versus active ingredient)	Reference	See Instructon Manual Q1E-EP1457	See Instructon Manual MN1-5998
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Reference	See Instructon Manual Q1E-EP1457	See Instructon Manual MN1-5998
Biopsy attachment available		X	X

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natures of each probe are stated.

2. Linear

		L34	L44	L441	L442	L55
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Abdominal Small organ Musculo-skel. Peripheral vessel	Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organ Cervical Mammary gland	Abdominal Small organ Musculo-skel. Peripheral vessel Carotid artery	Abdominal Small organ Musculo-skel. Peripheral vessel	Abdominal Small organ Musculo-skel. Peripheral vessel Superficial organs Thyroid Mammary gland
	Reference	Q1E-EP1361	Q1E-EP1370	MN1-5825	MN1-6423	Q1E-EP1368
Patients (adult, pediatric, neonatal)		adult pediatric	adult pediatric	adult pediatric	adult pediatric	adult pediatric
	Reference	Q1E-EP1361	Q1E-EP1370	MN1-5825	MN1-6423	Q1E-EP1368
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		linear	linear	linear	linear	linear
Number of elements		128	160	192	192	192
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		ceramics (multi-layer)	composite	ceramics	ceramics	composite
Shape of elements		-	-	-	-	-
Dimension of the skin contact area (mm x mm)		41.0 × 11	42.1 × 11.2	42.1 × 8.8	41.9 × 11.1	54.8 × 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)?		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
For 3D / 4D probes: sweep angle (in degrees)		N/A	N/A	N/A	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)		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 (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

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natures of each probe are stated.

2. Linear

		L64	SML44
Manufacturer		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	Q1E-EP1366	MN1-6363
Patients (adult, pediatric, neonatal)		adult pediatric	adult pediatric
	Reference	Q1E-EP1366	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 × 8.7	45.7 × 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)?		Electronic linear	Electronic linear
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		10MHz (18-5MHz)	7.5MHz (22-2MHz)
Weight (probe + connection cable)		250	420
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 (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual
	Reference	Q1E-EP1366	MN1-5998
Recommended method for disinfection and recommended products (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual
	Reference	Q1E-EP1366	MN1-5998
Biopsy attachment available		X	N/A

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natures of each probe are stated.

3. Sector

		S11	S12	S121	S211	S22
Manufacturer		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 × 17.2	23.0 × 16	22.1 × 15.2	23.5 × 17	22.1 × 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? Sector electronics (phased array or curved probe)?		Phased Array	Phased Array	Phased Array	Phased Array	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		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)	Reference	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)	Reference	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 coorresponding
natures of each probe are stated.

3. Sector

		S31	S42	S3ESEL	S3ESL1
Manufacturer		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	Q1E-EP1376	MN1-6088	MN1-6088	MN1-6111
Patients (adult, pediatric, neonatal)		adult pediatric neonatal	adult pediatric neonatal	adult pediatric	adult pediatric
	Reference	Q1E-EP1376	MN1-6088	MN1-6088	MN1-6111
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		sector	sector	sector/ endocavitary	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 × 12	13.0 × 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? Sector electronics (phased array or curved probe)?		Phased Array	Phased Array	Phased Array	Phased Array
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		See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	Reference	Q1E-EP1376	MN1-5998	MN1-5998	MN1-6117
Recommended method for disinfection and recommended products		See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
(Trade name versus active ingredient)	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 coorresponding
natures of each probe are stated.

4. Endocavity

		C41V	C41V1	C41B	C41RP	R41R	R41RL	C41L47RP
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		OB/GYN Fetal Trans-rectal Trans-vaginal	OB/GYN Fetal Trans-rectal Trans-vaginal	OB/GYN Fetal Trans-rectal Trans-vaginal	Urological Trans-rectal Trans-vaginal	Urological Trans-rectal	Urological Trans-rectal	Urological Transrectal
	Reference	Q1E-EP1363	Q1E-EP1432	MN1-6019	MN1-5827	MN1-5930	MN1-6033	Q1E-EP1451
Patients (adult, pediatric, neonatal)		adult	adult	adult	adult	adult	adult	adult
	Reference	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 × 9.6	42.9 × 10	42.9 × 10	31.419.5	38.6 × 9	38.6 × 9	L(s): 76 × 10 C(a): 42.6 × 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 (Trade name versus active ingredient)	Reference	See Instructon Manual Q1E-EP1363	See Instructon Manual Q1E-EP1432	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual Q1E-EP1451
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Reference	See Instructon Manual Q1E-EP1363	See Instructon Manual Q1E-EP1432	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual MN1-6161	See Instructon Manual 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

		CL4416R	CC41R	CC41R1
Manufacturer		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	MN1-5928	MN1-6264
Patients (adult, pediatric, neonatal)		adult	adult	adult
	Reference	adult	MN1-5928	MN1-6264
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 × 9.3 C(a): 34.7 × 10	C(s): 23.6 × 12.7 C(a): 30.8 × 12	C(s): 34.7 × 10 C(a): 34.7 × 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	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	MN1-6161
Biopsy attachment available		X	X	X

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natures of each probe are stated.

5. Intraoperative

		C22K	C22T	C22I	C42K	C42T	L43K
Manufacturer		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: crystals, ceramics, polymers, composite, CMUT		ceramics	ceramics	ceramics	ceramics	ceramics	ceramics
Shape of elements		21R	20R	20R	21R	20R	-
Dimension of the skin contact area (mm x mm)		33.8 × 11.4	33.8 × 11.4	33.8 × 11.4	28.8 × 10.1	28.8 × 10.1	31.5 × 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 Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon 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 Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon 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 coorresponding
natures of each probe are stated.

*2 Applicable to the United States only.

5. Intraoperative

		L44K	L46K	L46K1	L44LA	L44LA1	L51K
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Intraoperative	Intraoperative	Intraoperative	Intraoperative Laparoscopic	Intraoperative Laparoscopic	Intraoperative
	Reference	MN1-6127	MN1-5829	MN1-6129	MN1-6013	MN1-6101	MN1-6268
Patients (adult, pediatric, neonatal)		adult	adult	adult	adult	adult	adult
	Reference	MN1-6127	MN1-5829	MN1-6129	MN1-6013	MN1-6101	MN1-6268
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		linear	linear	linear	linear/ endocavity	linear/ endocavity	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 × 10.3	77 × 10	70.3 × 10.3	44.2 × 6.4	43.3 × 7.2	16.4 × 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 (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
	Reference	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000	MN1-6000
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	See Instructon Manual
	Reference	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 coorresponding
natures of each probe are stated.

*2 Applicable to the United States only.

5. Intraoperative

		L53K	S31KP	L31KP
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Intraoperative	Neurosurgery	Intraoperative Neurosurgery *2
	Reference	MN1-6131	MN1-5831	MN1-6421
Patients (adult, pediatric, neonatal)		adult	adult	adult
	Reference	MN1-6131	MN1-5831	MN1-6421
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		linear	sector	linear
Number of elements		128	34	48
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		ceramics	ceramics	ceramics
Shape of elements		-	-	-
Dimension of the skin contact area (mm x mm)		8.0 × 29.8	8.0 × 8	6.9 × 6.5
Field of view (linear: width, convex: sector angle)		L: 25mm	S: 90deg.	L: 6mm
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?		Electronic linear	Phased Array	Electronic linear
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		8.5MHz (15-3MHz)	5.0MHz (8-3MHz)	5.0MHz (9-2MHz)
Weight (probe + connection cable)		260	180	180
Cable length (cm)		300	250	300
Fully immersible probe (specify whether the connector is also immersible)		X	X	X
Sterilization is possible		X	X	X
Recommended method for decontamination and recommended products (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual	See Instructon Manual
	Reference	MN1-6000	MN1-6000	MN1-6000
Recommended method for disinfection and recommended products (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual	See Instructon Manual
	Reference	MN1-6000	MN1-6000	MN1-6000
Biopsy attachment available		N/A	X	X

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

*2 Applicable to the United States only.

6. 4D

		MXS1	MXS2ESLL1	VC34	VC34A	VC35
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Abdominal Fetal Adult Cephalic Peripheral vessel Cardiovascular	Trans-esophageal Heart thoracic aorta	Abdominal Fetal Small Organ General OB/GYN	Abdominal Fetal Small Organ General OB/GYN	Abdominal Fetal Small Organ General OB/GYN
	Reference	MN1-6260	MN1-6403	MN1-5841	Q1E-EP1398	MN1-6374
Patients (adult, pediatric, neonatal)		adult pediatric	adult	adult pediatric	adult pediatric	adult pediatric
	Reference	MN1-6260	MN1-6403	MN1-5841	Q1E-EP1398	MN1-6374
Type of probe (convex, linear, endocavitary,sector, 3D, 4D...)		sector/ 4D	sector/ endocavity/ 4D	convex/ 4D	convex/ 4D	convex/ 4D
Number of elements		3072	1372	192	192	192
Nature of elements *1: crystals, ceramics, polymers, composite, CMUT		single crystal/ composite	single crystal/ composite	ceramics	ceramics	ceramics
Shape of elements		-	-	40R	40R	46R
Dimension of the skin contact area (mm x mm)		22.7× 16.2	11.3 × 10.8	65 × 34.4	65 × 34.4	64 × 36
Field of view (linear: width, convex: sector angle)		S: 90deg.	S: 90deg.	C: 70deg.	C: 67deg.	C: 72deg.
Type of scanning: mechanical? Electronic linear? Sector electronics (phased array or curved probe)?		Phased Array	Phased Array	Electronic convex/ Mechanical sector	Electronic convex/ Mechanical sector	Electronic convex/ Mechanical sector
For 3D / 4D probes: rotation of the probe (electronic or mechanical)		electronic	electronic	mechanical	mechanical	mechanical
For 3D / 4D probes: sweep angle (in degrees)		90deg.	90deg.	70deg.	67deg.	80deg.
Nominal Imaging Frequencies		2.75MHz (5-1MHz)	4.0MHz (10-1MHz)	5.0MHz (7-2MHz)	5.0MHz (7-2MHz)	4.0MHz (8-2MHz)
Weight (probe + connection cable)		390	890	560	560	540
Cable length (cm)		220	180	230	230	200
Fully immersible probe (specify whether the connector is also immersible)		N/A	X	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)	Reference	MN1-5998	MN1-6117	MN1-6002	Q1E-EP1398	MN1-6002
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)	Reference	MN1-5998	MN1-6117	MN1-6002	Q1E-EP1398	MN1-6002
Biopsy attachment available		N/A	N/A	N/A	N/A	N/A

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

6. 4D

		VC41V	VL54
Manufacturer		Hitachi Ltd.	Hitachi Ltd.
Medical applications		Fetal Trans-vaginal General OB/GYN	Abdominal Small Organ Musculo-skel. Superficial Peripheral vessel
	Reference	MN1-5863	MN1-5837
Patients (adult, pediatric, neonatal)		adult	adult pediatric
	Reference	MN1-5863	MN1-5837
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		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 × 25	48 × 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 (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual
	Reference	MN1-6002	MN1-6002
Recommended method for disinfection and recommended products (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual
	Reference	MN1-6002	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

		EUP-B514	EUP-L53L	EUP-O54J	EUP-B715	EUP-C715	EUP-L74M	EUP-O53T
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	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 Bioppsy
Reference		Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041	Q1E-EP0403
Patients (adult, pediatric, neonatal)		adult	adult pedeatric	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 x 15	72.8 x 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	220 (option 320)
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		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)		Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041
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)		Reference	Q1E-EP0616	Q1E-EP0348	Q1E-EP1064	Q1E-EP1245	Q1E-EP1011	Q1E-EP1041
Biopsy attachment available		X	N/A	N/A	X	X	X	X

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

7. EUPseries

		EUP-O732T	EUP-OL334	EUP-CC531S	EUP-R54AW-19	EUP-U531
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Intraoperative	Gallbladder Liver	Urological OB/GYN	Transrectal	Transrectal Biopsy
	Reference	Q1E-EP1234	Q1E-EP0304	Q1E-EP1357	Q1E-EP0609	Q1E-EP1003
Patients (adult, pediatric, neonatal)		adult	adult	adult	adult	adult
	Reference	Q1E-EP1234	Q1E-EP0304	Q1E-EP1357	Q1E-EP0609	Q1E-EP1003
Type of probe (convex, linear, endocavitary,sector, 3D, 4D...)		convex	convex	convex/ convex/ endocavitary	convex	convex
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 × 10.1	35.0 × 7.3	C(s): 23.6 × 12.7 C(a): 30.8 × 12	38.6 × 9	42.9 × 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)	Reference	See Instructon Manual Q1E-EP1234	See Instructon Manual Q1E-EP0304	See Instructon Manual Q1E-EP1357	See Instructon Manual Q1E-EP0609	See Instructon Manual Q1E-EP1003
Recommended method for disinfection and recommended products (Trade name versus active ingredient)	Reference	See Instructon Manual Q1E-EP1234	See Instructon Manual Q1E-EP0304	See Instructon Manual Q1E-EP1357	See Instructon Manual Q1E-EP0609	See Instructon Manual Q1E-EP1003
Biopsy attachment available		X	N/A	X	N/A	X

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

8. USTseries

		UST-52105	UST-52126	UST-5418	UST-5550	UST-9130
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.
Medical applications		Circulatory organs	Heart Thoracic aorta	Intraoperative	Intraoperative	Abdomen
	Reference	MN1-5064	MN1-5791	MN1-5783	MN1-5308	MN1-5160
Patients (adult, pediatric, neonatal)		adult	adult	adult	adult	adult
	Reference	MN1-5064	MN1-5791	MN1-5783	MN1-5308	MN1-5160
Type of probe (convex, linear, endocavitary, sector, 3D, 4D...)		sector	sector	linear	linear	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 × 15.2	diameter 12.2	44.2 × 6.4	43.1 × 7.2	81.5 × 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 Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon 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 Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon 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 coorresponding
natures of each probe are stated.

8. USTseries

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

*1 Suppose "composite" means 2 dimensional cut structure, All coorresponding
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? Sector electronics (phased array or curved probe)?		N/A	N/A
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 coorresponding
natures of each probe are stated.

10. Transducers for FUTUS

		CA2-8AD-H	CF4-9-H	EVN4-9-H	LA3-16AD-H	PN2-4-H
Manufacturer		Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	Hitachi Ltd.	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	MN1-6474
Patients (adult, pediatric, neonatal)		adult pedatric	adult pedatric	adult	adult pedatric	adult pedatric
	Reference	MN1-6474	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 × 16	28 × 9	37 × 10	46 × 8	26 × 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 Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual	See Instructon Manual
	Reference	MN1-6474	MN1-6474	MN1-6474	MN1-6474	MN1-6474
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	MN1-6474	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 coorresponding natures of each probe are stated.

10. Transducers for FUTUS

		VN4-8-H	V5-9-H
Manufacturer		Hitachi Ltd.	Hitachi Ltd.
Medical applications		Abdomen, OB, GYN, MSK, Pediatric, Vascular, Urology	OB, GYN, Urology
	Reference	MN1-6474	MN1-6474
Patients (adult, pediatric, neonatal)		adult pedatric	adult
	Reference	MN1-6474	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 × 45	23 × 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 Instructon Manual	See Instructon Manual
	Reference	MN1-6474	MN1-6474
Recommended method for disinfection and recommended products (Trade name versus active ingredient)		See Instructon Manual	See Instructon Manual
	Reference	MN1-6474	MN1-6474
Biopsy attachment available		N/A	N/A

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