FUJIFILM
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# Transducer Data Sheet

**SPH-TRANSDUCER-E07**

2022-01

**FUJIFILM Healthcare Corporation**

**9-7-3, Akasaka, Minato-ku, Tokyo 107-0052, Japan**

## 1. Convex

| | | C251 | C252 | C253 | C35 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | convex | convex | convex |
| Number of elements | | 160 | 160 | 160 | 192 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics (multi-layer) | single crystal | ceramics (multi-layer) | ceramics (multi-layer) |
| Shape of elements | | 50R | 50R | 50R | 50R |
| Dimension of the skin contact area (mm x mm) | | 72.8 × 10.5 | 72.8 × 14 | 72.7 × 15.2 | 66.8 × 11 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 70deg. | C: 70deg. | C: 70deg. | C: 70deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 3.0MHz (5-1MHz) | 3.0MHz (6-1MHz) | 3.0MHz (5-1MHz) | 5.0MHz (8-2MHz) |
| Weight (probe + connection cable) | | 300 | 300 | 300 | 310 |
| Cable length (cm) | | 220 | 220 | 220 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A | N/A |
| 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 | 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 |
| (Trade name versus active ingredient) | Reference | MN1-5998 | MN1-5998 | MN1-5998 | MN1-5998 |
| Biopsy guide | | X | X | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

*3 RVS sensor is built inside the probe.

## 1. Convex

| | | C41 | C42 | C22P | C25P |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | convex | convex | convex |
| Number of elements | | 128 | 128 | 128 | 160 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics (multi-layer) | ceramics (multi-layer) | ceramics (multi-layer) |
| Shape of elements | | 12R | 21R | 22R | 50R |
| Dimension of the skin contact area (mm x mm) | | 26.7 × 9 | 36.2 × 11 | 29.3 × 14.1 | 72.8 × 15 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 100deg. | C: 80deg. | C: 74deg. | C: 70deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 7.5MHz (13-4MHz) | 6.5MHz (8-4MHz) | 3.0MHz (6-1MHz) | 3.0MHz (5-1MHz) |
| Weight (probe + connection cable) | | 240 | 240 | 490 | 250 |
| Cable length (cm) | | 200 | 220 | 220 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A | N/A |
| 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-EP1393 | Q1E-EP1359 | Q1E-EP1457 | MN1-5998 |
| 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-EP1393 | Q1E-EP1359 | Q1E-EP1457 | MN1-5998 |
| Biopsy guide | | N/A | X | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

*3 RVS sensor is built inside the probe.

## 1. Convex

| | | C23 | C23RV *3 |
|---|---|---|---|
| Manufacturer | | **FUJIFILM Healthcare Corporation** | **FUJIFILM Healthcare Corporation** |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | **convex** | **convex** |
| Number of elements | | **96** | **96** |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | **single crystal** | **single crystal** |
| Shape of elements | | **25R** | **25R** |
| Dimension of the skin contact area (mm x mm) | | **32.7 x 10.5** | **32.7 x 10.5** |
| Field of view<br>(linear: width, convex: sector angle) | | **C: 70deg.** | **C: 70deg.** |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | **Electronic convex** | **Electronic convex** |
| For 3D / 4D probes: rotation of the probe<br>(electronic or mechanical) | | **N/A** | **N/A** |
| For 3D / 4D probes: sweep angle (in degrees) | | **N/A** | **N/A** |
| Nominal Imaging Frequencies | | **3.5MHz<br>(6-1MHz)** | **3.0MHz<br>(6-1MHz)** |
| Weight (probe + connection cable) | | **430** | **430** |
| Cable length (cm) | | **220** | **220** |
| Fully immersible probe *2 | | **X** | **X** |
| Sterilization is possible | | **X** | **X** |
| Recommended method for decontamination and recommended products | | **See Instructon Manual** | **See Instructon Manual** |
| (Trade name versus active ingredient) | Reference | **MN1-5998** | **MN1-5998** |
| Recommended method for disinfection and recommended products | | **See Instructon Manual** | **See Instructon Manual** |
| (Trade name versus active ingredient) | Reference | **MN1-5998** | **MN1-5998** |
| Biopsy guide | | **X** | **X** |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

*3 RVS sensor is built inside the probe.

## 2. Linear

| | | L34 | L441 | L442 | L55 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | linear | linear | linear | linear |
| Number of elements | | 128 | 192 | 192 | 192 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics (multi-layer) | ceramics | ceramics | composite |
| Shape of elements | | - | - | - | - |
| Dimension of the skin contact area (mm x mm) | | 41.0 × 11 | 42.1 × 8.8 | 41.9 × 11.1 | 54.8 × 10.2 |
| Field of view<br>(linear: width, convex: sector angle) | | L: 38mm | L: 38mm | L: 38mm | L: 50mm |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic linear | Electronic linear | Electronic linear | Electronic linear |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 5MHz (7-3MHz) | 6.0MHz (12-2MHz) | 7.0MHz (12-2MHz) | 7.5MHz (13-5MHz) |
| Weight (probe + connection cable) | | 230 | 300 | 300 | 250 |
| Cable length (cm) | | 220 | 200 | 220 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A | N/A |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1361 | MN1-5998 | MN1-5998 | Q1E-EP1368 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1361 | MN1-5998 | MN1-5998 | Q1E-EP1368 |
| Biopsy guide | | X | X | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 2. Linear

| | | L64 | SML44 | L35 |
|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | linear | linear | linear |
| Number of elements | | 192 | 1728 | 480 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | composite | CMUT matrix | single crystal matrix |
| Shape of elements | | - | - | - |
| Dimension of the skin contact area (mm x mm) | | 42.1 × 8.7 | 45.7 × 11.4 | 48.0 × 9.2 |
| Field of view<br>(linear: width, convex: sector angle) | | L: 38mm | L: 38mm | L: 45mm |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic linear | Electronic linear | Electronic linear |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 10MHz<br>(18-5MHz) | 7.5MHz<br>(22-2MHz) | 5MHz<br>(9-2MHz) |
| Weight (probe + connection cable) | | 250 | 420 | 480 |
| Cable length (cm) | | 220 | 220 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A |
| Sterilization is possible | | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1366 | MN1-5998 | MN1-5998 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1366 | MN1-5998 | MN1-5998 |
| Biopsy guide | | X | N/A | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 3. Sector

| | | S11 | S12 | S121 | S211 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | sector | sector | sector | sector |
| Number of elements | | 64 | 80 | 80 | 64 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | single crystal | single crystal | single crystal |
| 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 |
| Field of view<br>(linear: width, convex: sector angle) | | S: 90deg.<br>(wide scan: 120deg.) | S: 90deg. | S: 90deg.<br>(wide scan: 120deg.) | S: 90deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Phased Array | Phased Array | Phased Array | Phased Array |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 2.5MHz<br>(5-1MHz) | 3.0MHz<br>(5-1MHz) | 2.75MHz<br>(5-1MHz) | 3.0MHz<br>(5-1MHz) |
| Weight (probe + connection cable) | | 130 | 180 | 190 | 180 |
| Cable length (cm) | | 220 | 220 | 225 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A | N/A |
| 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 | 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 |
| (Trade name versus active ingredient) | Reference | MN1-5998 | MN1-5998 | MN1-5998 | MN1-5998 |
| Biopsy guide | | N/A | N/A | N/A | N/A |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 3. Sector

| | | S31 | S42 | S3ESEL | S3ESL1 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| 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. (wide scan: 100deg.) | S: 90deg. (wide scan: 100deg.) |
| 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 *2 | | N/A | N/A | N/A | X |
| Sterilization is possible | | X | 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 |
| | 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 guide | | N/A | N/A | N/A | N/A |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 3. Sector

| | | S3ESCLS |
|---|---|---|
| Manufacturer | | **FUJIFILM Healthcare Corporation** |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | **sector/ endocavitary** |
| Number of elements | | **48** |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | **ceramics** |
| Shape of elements | | **-** |
| Dimension of the skin contact area (mm x mm) | | **diameter 9.2** |
| Field of view<br>(linear: width, convex: sector angle) | | **S: 90deg. (wide scan: 100deg.)** |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | **Phased Array** |
| For 3D / 4D probes: rotation of the probe<br>(electronic or mechanical) | | **N/A** |
| For 3D / 4D probes: sweep angle (in degrees) | | **N/A** |
| Nominal Imaging Frequencies | | **5.1MHz (8-2MHz)** |
| Weight (probe + connection cable) | | **900** |
| Cable length (cm) | | **185** |
| Fully immersible probe *2 | | **N/A** |
| Sterilization is possible | | **N/A** |
| Recommended method for decontamination and recommended products | | **See Instructon Manual** |
| (Trade name versus active ingredient) | Reference | **MN1-6015** |
| Recommended method for disinfection and recommended products | | **See Instructon Manual** |
| (Trade name versus active ingredient) | Reference | **MN1-6015** |
| Biopsy guide | | **N/A** |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 4. Endocavity

| | | C41V | C41V1 | C41B | C41RP |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex/<br>endocavitary | convex/<br>endocavitary | convex/<br>endocavitary | convex/<br>endocavitary |
| Number of elements | | 192 | 192 | 192 | 156 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics<br>(multi-layer) | ceramics<br>(multi-layer) | ceramics |
| Shape of elements | | 10R | 10R | 10R | 9R |
| Dimension of the skin contact area (mm x mm) | | 42.9 × 9.6 | 42.9 × 10 | 42.9 × 10 | 31.419.5 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 200deg. | C: 200deg. | C: 200deg. | C: 180deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 6.5MHz<br>(8-4MHz) | 6.5MHz<br>(10-2MHz) | 6.5MHz<br>(10-2MHz) | 6.0MHz<br>(9-2MHz) |
| Weight (probe + connection cable) | | 390 | 590 | 330 | 425 |
| Cable length (cm) | | 220 | 250 | 250 | 250 |
| Fully immersible probe *2 | | N/A | N/A | X | X |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1363 | Q1E-EP1432 | MN1-6161 | MN1-6161 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1363 | Q1E-EP1432 | MN1-6161 | MN1-6161 |
| Biopsy guide | | X | X | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary.  The resistance to water pressure resistance is up to 20 kPa.

## 4. Endocavity

| | | R41R | R41RL | C41L47RP | CL4416R |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex/<br>endocavitary | convex/<br>endocavitary | linear/<br>convex/<br>endocavitary | linear/<br>convex/<br>endocavitary |
| Number of elements | | 256 | 256 | sagittal: 192<br>axial: 192 | sagittal: 192<br>axial: 152 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics<br>(multi-layer) |
| Shape of elements | | 6R | 6R | sagittal: -<br>axial: 10R | sagittal: -<br>axial: 9R |
| Dimension of the skin contact area (mm x mm) | | 38.6 × 9 | 38.6 × 9 | L(s): 76 × 10<br>C(a): 42.6 × 9.6 | L(s): 72.6 × 9.3<br>C(a): 34.7 × 10 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 360deg. | C: 360deg. | L(s): 64mm<br>C(a): 200deg. | L(s): 63mm<br>C(a): 180deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic<br>(s) linear<br>(a) convex | Electronic<br>(s) linear<br>(a) convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 7.5MHz<br>(10-5MHz) | 7.5MHz<br>(10-5MHz) | sagittal: 7.5MHz<br>(10-5MHz)<br>axial: 6.5MHz<br>(8-4MHz) | sagittal: 7.5MHz<br>(14-2MHz)<br>axial: 6.5MHz<br>(10-2MHz) |
| Weight (probe + connection cable) | | 530 | 530 | 1090 | 490 |
| Cable length (cm) | | 210 | 210 | 220 | 250 |
| Fully immersible probe *2 | | X | X | N/A | X |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6161 | MN1-6161 | Q1E-EP1451 | MN1-6161 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6161 | MN1-6161 | Q1E-EP1451 | MN1-6161 |
| Biopsy guide | | N/A | N/A | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 4. Endocavity

| | | CL4416R1 | CC41R | CC41R1 |
|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | linear/<br>convex/<br>endocavitary | convex/<br>convex/<br>endocavitary | convex/<br>convex/<br>endocavitary |
| Number of elements | | sagittal: 192<br>axial: 152 | sagittal: 96<br>axial: 128 | sagittal: 152<br>axial: 152 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics<br>(multi-layer) |
| Shape of elements | | sagittal: -<br>axial: 9R | sagittal: 10R<br>axial: 10R | sagittal: 9R<br>axial: 9R |
| Dimension of the skin contact area (mm x mm) | | L(s): 72.6 × 9.3<br>C(a): 34.7 × 10 | C(s): 23.6 × 12.7<br>C(a): 30.8 × 12 | C(s): 34.7 × 10<br>C(a): 34.7 × 10 |
| Field of view<br>(linear: width, convex: sector angle) | | L(s): 63mm<br>C(a): 180deg. | C(s): 100deg.<br>C(a): 120deg. | C(s): 180deg.<br>C(a): 180deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic<br>(s) linear<br>(a) convex | Electronic<br>(s) convex<br>(a) convex | Electronic<br>(s) convex<br>(a) convex |
| For 3D / 4D probes: rotation of the probe<br>(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<br>(14-2MHz)<br>axial: 6.5MHz<br>(10-2MHz) | sagittal: 6.5MHz<br>(8-4MHz)<br>axial: 6.5MHz<br>(8-4MHz) | sagittal: 6.5MHz<br>(10-2MHz)<br>axial: 6.5MHz<br>(10-2MHz) |
| Weight (probe + connection cable) | | 490 | 445 | 440 |
| Cable length (cm) | | 250 | 210 | 250 |
| Fully immersible probe *2 | | X | N/A | X |
| Sterilization is possible | | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6758 | MN1-6161 | MN1-6161 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6758 | MN1-6161 | MN1-6161 |
| Biopsy guide | | X | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 5. Intraoperative

| | | C22K | C22T | C22I | C42K |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | convex | convex | convex |
| Number of elements | | 90 | 90 | 90 | 144 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics |
| Shape of elements | | 21R | 20R | 20R | 21R |
| 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 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 82deg. | C: 82deg. | C: 82deg. | C: 65deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 3.5MHz<br>(6-1MHz) | 3.5MHz<br>(6-1MHz) | 3.5MHz<br>(6-1MHz) | 7.5MHz<br>(10-4MHz) |
| Weight (probe + connection cable) | | 160 | 180 | 180 | 350 |
| Cable length (cm) | | 290 | 290 | 290 | 300 |
| Fully immersible probe *2 | | N/A | X | X | N/A |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1389 | MN1-6000 | MN1-6000 | Q1E-EP1391 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1389 | MN1-6000 | MN1-6000 | Q1E-EP1391 |
| Biopsy guide | | X | N/A | N/A | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 5. Intraoperative

| | | C42T | L43K | L44K | L46K |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | linear | linear | linear |
| Number of elements | | 144 | 128 | 192 | 192 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics |
| Shape of elements | | 20R | - | - | - |
| Dimension of the skin contact area (mm x mm) | | 28.8 × 10.1 | 31.5 × 7.2 | 48.3 × 10.3 | 77 × 10 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 65deg. | L: 26mm | L: 42mm | L: 60mm |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic linear | Electronic linear | Electronic linear |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 7.5MHz<br>(10-3MHz) | 7.0MHz<br>(12-2MHz) | 7.5MHz<br>(14-2MHz) | 7.5MHz<br>(13-3MHz) |
| Weight (probe + connection cable) | | 180 | 155 | 360 | 460 |
| Cable length (cm) | | 290 | 300 | 300 | 300 |
| Fully immersible probe *2 | | X | X | X | X |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6000 | MN1-6369 | MN1-6000 | MN1-6000 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6000 | MN1-6369 | MN1-6000 | MN1-6000 |
| Biopsy guide | | N/A | N/A | N/A | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 5. Intraoperative

Manufacturer

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)

## 5. Intraoperative

| | | L53K | S31KP | L31KP |
|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | linear | sector | linear |
| Number of elements | | 128 | 34 | 48 |
| Nature of elements *1<br>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<br>(linear: width, convex: sector angle) | | L: 25mm | S: 90deg. | L: 6mm |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic linear | Phased Array | Electronic linear |
| For 3D / 4D probes: rotation of the probe<br>(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<br>(15-3MHz) | 5.0MHz<br>(8-3MHz) | 5.0MHz<br>(9-2MHz) |
| Weight (probe + connection cable) | | 260 | 180 | 180 |
| Cable length (cm) | | 300 | 250 | 300 |
| Fully immersible probe *2 | | X | X | X |
| Sterilization is possible | | X | X | X |
| Recommended method for decontamination and recommended products<br>(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<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6000 | MN1-6000 | MN1-6000 |
| Biopsy guide | | N/A | X | X |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 6. 4D

| | | MXS1 | MXS2ESLL1 | VC34 | VC35 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe (convex, linear, endocavitary,sector, 3D, 4D...) | | sector/ 4D | sector/ endocavity/ 4D | convex/ 4D | convex/ 4D |
| Number of elements | | 3072 | 1372 | 192 | 192 |
| Nature of elements *1 crystals, ceramics, polymers, composite, CMUT | | single crystal matrix | single crystal matrix | ceramics | ceramics |
| Shape of elements | | - | - | 40R | 46R |
| Dimension of the skin contact area (mm x mm) | | 22.7× 16.2 | 11.3 × 10.8 | 65 × 34.4 | 64 × 36 |
| Field of view (linear: width, convex: sector angle) | | S: 90deg. | S: 90deg. | C: 70deg. | 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 |
| For 3D / 4D probes: rotation of the probe (electronic or mechanical) | | electronic | electronic | mechanical | mechanical |
| For 3D / 4D probes: sweep angle (in degrees) | | 90deg. | 90deg. | 70deg. | 80deg. |
| Nominal Imaging Frequencies | | 2.75MHz (5-1MHz) | 4.0MHz (10-1MHz) | 5.0MHz (7-2MHz) | 4.0MHz (8-2MHz) |
| Weight (probe + connection cable) | | 390 | 890 | 560 | 540 |
| Cable length (cm) | | 220 | 180 | 230 | 200 |
| Fully immersible probe *2 | | N/A | X | N/A | N/A |
| 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 | MN1-5998 | MN1-6117 | MN1-6002 | MN1-6002 |
| 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 | MN1-5998 | MN1-6117 | MN1-6002 | MN1-6002 |
| Biopsy guide | | N/A | N/A | N/A | N/A |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 6. 4D

| | | VC41V | VL54 |
|---|---|---|---|
| Manufacturer | | **FUJIFILM Healthcare Corporation** | **FUJIFILM Healthcare Corporation** |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | **convex/<br>endovavity/<br>4D** | **linear/<br>4D** |
| Number of elements | | **136** | **160** |
| Nature of elements *1<br>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<br>(linear: width, convex: sector angle) | | **C: 140deg.** | **L: 38mm** |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | **Electronic convex/<br>Mechanical sector** | **Electronicconvex/<br>Mechanical sector** |
| For 3D / 4D probes: rotation of the probe<br>(electronic or mechanical) | | **mechanical** | **mechanical** |
| For 3D / 4D probes: sweep angle (in degrees) | | **90deg.** | **29deg.** |
| Nominal Imaging Frequencies | | **6.0MHz<br>(8-2MHz)** | **7.5MHz<br>(13-5MHz)** |
| Weight (probe + connection cable) | | **620** | **610** |
| Cable length (cm) | | **200** | **210** |
| Fully immersible probe *2 | | **N/A** | **N/A** |
| Sterilization is possible | | **X** | **X** |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** | **See Instructon Manual** |
| | Reference | **MN1-6002** | **MN1-6002** |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** | **See Instructon Manual** |
| | Reference | **MN1-6002** | **MN1-6002** |
| Biopsy guide | | **N/A** | **N/A** |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 7. EUPseries

| | | EUP-B514 | EUP-L53L | EUP-O54J | EUP-B715 | EUP-C715 |
|---|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | linear | linear | convex | convex |
| Number of elements | | 192 | 256 | 128 | 160 | 160 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics (multi-layer) | ceramics (multi-layer) |
| 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 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 90deg. | L: 92mm | L: 25mm | C: 70deg. | C: 70deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic linear | Electronic linear | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 3.5MHz (5-2MHz) | 7.5MHz (10-5MHz) | 10.0MHz (13-7MHz) | 3.5MHz (5-1MHz) | 3.0MHz (5-1MHz) |
| Weight (probe + connection cable) | | 390 | 1040 | 190 | 320 | 320 |
| Cable length (cm) | | 220 | 220 | 220 | 220 | 220 |
| Fully immersible probe *2 | | X | N/A | X | N/A | N/A |
| Sterilization is possible | | X | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP0616 | Q1E-EP0348 | Q1E-EP1064 | Q1E-EP1245 | Q1E-EP1011 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP0616 | Q1E-EP0348 | Q1E-EP1064 | Q1E-EP1245 | Q1E-EP1011 |
| Biopsy guide | | X | N/A | N/A | X | X |

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

*2 When immersing, optional waterproof box "EZU-WB1-H" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 7. EUPseries

| | | EUP-L74M | EUP-O732T | EUP-OL334 | EUP-CC531S | EUP-R54AW-19 |
|---|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | linear | convex | convex | convex/<br>convex/<br>endocavitary | convex |
| Number of elements | | 192 | 144 | 96 | sagittal: 96<br>axial: 128 | 256 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | composite | ceramics | ceramics | ceramics | ceramics |
| Shape of elements | | - | 20R | 40R | sagittal: 10R<br>axial: 10R | 6R |
| Dimension of the skin contact area (mm x mm) | | 54.8 × 10.2 | 28.8 × 10.1 | 35.0 × 7.3 | C(s): 23.6 × 12.7<br>C(a): 30.8 × 12 | 38.6 × 9 |
| Field of view<br>(linear: width, convex: sector angle) | | L: 50mm | C: 65deg. | C: 40deg. | C(s): 100deg.<br>C(a): 120deg. | C: 360deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic linear | Electronic convex | Electronic convex | Electronic<br>(s) convex<br>(a) convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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<br>(13-5MHz) | 7.5MHz<br>(10-3MHz) | 7.5MHz<br>(10-5MHz) | sagittal: 6.5MHz<br>(8-4MHz)<br>axial: 6.5MHz<br>(8-4MHz) | 7.5MHz<br>(10-5MHz) |
| Weight (probe + connection cable) | | 250 | 190 | 540 | 195 | 640 |
| Cable length (cm) | | 220 | 290 | 300 | 210 | 220 |
| Fully immersible probe *2 | | N/A | N/A | N/A | N/A | X |
| Sterilization is possible | | X | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1041 | Q1E-EP1234 | Q1E-EP0304 | Q1E-EP1357 | Q1E-EP0609 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | Q1E-EP1041 | Q1E-EP1234 | Q1E-EP0304 | Q1E-EP1357 | Q1E-EP0609 |
| Biopsy guide | | X | X | N/A | X | N/A |

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

*2 When immersing, optional waterproof box "EZU-WB1-H" is necessary. The resistance to water pressure resistance is up to 20 kP

## 8. USTseries

| | | UST-52105 | UST-5418 | UST-5550 | UST-9130 |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | sector | linear | linear | convex |
| Number of elements | | 80 | 192 | 64 | 186 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics |
| Shape of elements | | - | - | - | 60R |
| Dimension of the skin contact area (mm x mm) | | 22.1 × 15.2 | 44.2 × 6.4 | 43.1 × 7.2 | 81.5 × 14 |
| Field of view<br>(linear: width, convex: sector angle) | | S: 90deg. | L: 36mm | L: 38mm | C: 60deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Phased Array | Electronic linear | Electronic linear | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 2.9MHz<br>(5-1MHz) | 7MHz<br>(13-2MHz) | 7.5MHz<br>(13-4MHz) | 3.6MHz<br>(6-2MHz) |
| Weight (probe + connection cable) | | 170 | 670 | 470 | 290 |
| Cable length (cm) | | 180 | 300 | 290 | 200 |
| Fully immersible probe *2 | | N/A | N/A | X | N/A |
| Sterilization is possible | | X | X | X | X |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-5064 | MN1-5783 | MN1-5308 | MN1-5160<br>MN1-5493 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-5064 | MN1-5783 | MN1-5308 | MN1-5160<br>MN1-5493 |
| Biopsy guide | | N/A | N/A | N/A | X |

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

*2 When immersing, optional waterproof cover " MP-2790" is necessary. The resistance to water pressure resistance is up to 9.8 kPa.

## 8. USTseries

| | | UST-9132I |
|---|---|---|
| Manufacturer | | **FUJIFILM Healthcare Corporation** |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | **convex** |
| Number of elements | | **144** |
| Nature of elements *1<br>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<br>(linear: width, convex: sector angle) | | **C: 65deg.** |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | **Electronic convex** |
| For 3D / 4D probes: rotation of the probe<br>(electronic or mechanical) | | **N/A** |
| For 3D / 4D probes: sweep angle (in degrees) | | **N/A** |
| Nominal Imaging Frequencies | | **7.5MHz<br>(10-3MHz)** |
| Weight (probe + connection cable) | | **150** |
| Cable length (cm) | | **290** |
| Fully immersible probe *2 | | **X** |
| Sterilization is possible | | **X** |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** |
| | Reference | **MN1-5221** |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** |
| | Reference | **MN1-5221** |
| Biopsy guide | | **N/A** |

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

*2 When immersing, optional waterproof cover " MP-2790" is necessary. The resistance to water pressure resistance is up to 9.8 kPa.

## 9. Independent

| | | UST-2265-2 | UST-2266-5 |
|---|---|---|---|
| Manufacturer | | **FUJIFILM Healthcare Corporation** | **FUJIFILM Healthcare Corporation** |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | **independent** | **independent** |
| Number of elements | | **2** | **2** |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | **ceramics** | **ceramics** |
| Shape of elements | | **-** | **-** |
| Dimension of the skin contact area (mm x mm) | | **diameter<br>16.2** | **diameter<br>9** |
| Field of view<br>(linear: width, convex: sector angle) | | **N/A** | **N/A** |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | **N/A** | **N/A** |
| For 3D / 4D probes: rotation of the probe<br>(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 *2 | | **N/A** | **N/A** |
| Sterilization is possible | | **X** | **X** |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** | **See Instructon Manual** |
| | Reference | **MN1-0833** | **MN1-0831** |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | **See Instructon Manual** | **See Instructon Manual** |
| | Reference | **MN1-0833** | **MN1-0831** |
| Biopsy guide | | **N/A** | **N/A** |

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

*2 When immersing, optional waterproof case " WP-001" is necessary. The resistance to water pressure resistance is up to 20 kPa.

## 10. Transducers for FUTUS LE

| | | CA2-8AD-H | CF4-9-H | EVN4-9-H | LA3-16AD-H |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | convex | convex | convex | linear |
| Number of elements | | 192 | 128 | 128 | 192 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | 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 |
| Field of view<br>(linear: width, convex: sector angle) | | C: 58 deg. | C: 92 deg. | C: 148 deg. | L: 38.4mm |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Electronic convex | Electronic convex | Electronic convex | Electronic linear |
| For 3D / 4D probes: rotation of the probe<br>(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 | | 4.3 MHz<br>(1.6-7.6MHz) | 5.8 MHz<br>(4-9MHz) | 5.3 MHz<br>(4-9MHz) | 7.4 MHz<br>(3-16MHz) |
| Weight (probe + connection cable) | | 635 | 455 | 580 | 575 |
| Cable length (cm) | | 220 | 220 | 250 | 220 |
| Fully immersible probe | | N/A | N/A | N/A | N/A |
| Sterilization is possible | | N/A | N/A | N/A | N/A |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6474 | MN1-6474 | MN1-6474 | MN1-6474 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6474 | MN1-6474 | MN1-6474 | MN1-6474 |
| Biopsy guide | | N/A | N/A | X | N/A |

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

## 10. Transducers for FUTUS LE

| | | PN2-4-H | VN4-8-H | V5-9-H | VC41VF |
|---|---|---|---|---|---|
| Manufacturer | | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation | FUJIFILM Healthcare Corporation |
| Type of probe<br>(convex, linear, endocavitary,sector, 3D, 4D...) | | sector | convex/<br>4D | convex/<br>4D | convex/<br>4D |
| Number of elements | | 64 | 128 | 192 | 192 |
| Nature of elements *1<br>crystals, ceramics, polymers, composite, CMUT | | ceramics | ceramics | ceramics | ceramics |
| Shape of elements | | - | 38R | 10R | 10R |
| Dimension of the skin contact area (mm x mm) | | 26 × 17 | 66 × 45 | 24.4 × 24.4 | 24.2 × 24.2 |
| Field of view<br>(linear: width, convex: sector angle) | | S: 90 deg. | C: 77 deg. | C: 150 deg. | C: 150 deg. |
| Type of scanning: mechanical? Electronic linear?<br>Sector electronics (phased array or curved probe)? | | Phased Array | Electronic convex | Electronic convex | Electronic convex |
| For 3D / 4D probes: rotation of the probe<br>(electronic or mechanical) | | N/A | Mechanical | Mechanical | Mechanical |
| For 3D / 4D probes: sweep angle (in degrees) | | N/A | 85 deg. | 90 deg. | 120 deg. |
| Nominal Imaging Frequencies | | 2.8 MHz<br>(2-4MHz) | 3.9 MHz,<br>(4-8MHz) | 5.7 MHz<br>(5-9MHz) | 5.3 MHz<br>(2-10MHz) |
| Weight (probe + connection cable) | | 455 | 675 | 825 | 720 |
| Cable length (cm) | | 215 | 220 | 240 | 240 |
| Fully immersible probe | | N/A | N/A | N/A | N/A |
| Sterilization is possible | | N/A | N/A | N/A | N/A |
| Recommended method for decontamination and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6474 | MN1-6474 | MN1-6474 | MN1-6666 |
| Recommended method for disinfection and recommended products<br>(Trade name versus active ingredient) | | See Instructon Manual | See Instructon Manual | See Instructon Manual | See Instructon Manual |
| | Reference | MN1-6474 | MN1-6474 | MN1-6474 | MN1-6666 |
| Biopsy guide | | N/A | N/A | N/A | N/A |

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

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