

## OVERVIEW

### Scope

These specifications describe the multiplane transesophageal transducer model PET-508MA for use in combination with Canon Medical Systems diagnostic ultrasound systems.

### Purpose and Application

This transducer is designed for diagnostic ultrasound imaging of the heart. Do not use this transducer to examine patients with digestive disease.

- Intended use: Imaging organs and localizing lesions, flow velocity measurement and mapping
- Indications for use: Transesophageal
- Target organs: Heart
- Method of application: Transesophageal application

### Configuration

- Transducer ..... 1
- Carrying case ..... 1
- Mouthpiece  
(Two for adults and two for children) ..... 4
- Operation manual ..... 1
- Poster ..... 1
- Safety kit ..... 1
- Operation manual for the safety kit ..... 1
- Guidelines for cleaning,  
disinfection and sterilization ..... 1

## SPECIFICATIONS

### Performance

- Frequency: 5.0 MHz
- Displayed range of frequency: Refer to the system Product Data Sheet
- Focal length: 47 mm
- Viewing angle: Approximately 90°
- 2D plane rotation: Mechanical (Manual)

### External Dimensions and Mass

- Overall length: 1075 mm  $\pm$ 10%
- Length of insertion section: 750 mm  $\pm$ 10%

- Diameter of the flexible section: 7.2  $\pm$ 0.2 mm
- Length of the cable: 2000 mm  $\pm$ 10%
- Bending angle: Up 120°, down 90°
- Rotation angle of transducer: 0° to 180°
- External dimensions of other components: See the outline drawing.
- Mass: Approximately 1200 g

### Compatible Systems

- TUS-AI900
- TUS-AI800
- TUS-AI700
- TUS-AI600
- CUS-AA550
- CUS-AA450
- CUS-AA000
- SSH-880CV
- TUS-A500
- TUS-A400
- TUS-A300
- SSA-780A
- SSA-770A
- SSA-700A
- SSA-680A
- SSA-660A

### Operating Conditions

- Ambient temperature: 5°C to 35°C
- Relative humidity: 30% to 85% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

### Storage and Transportation Conditions

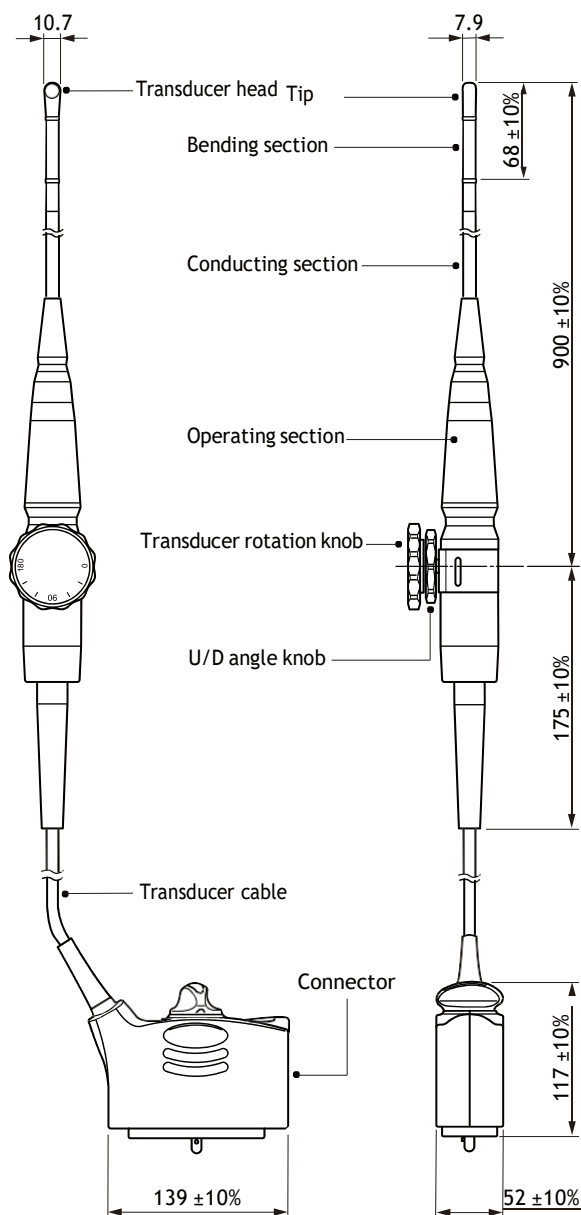
- Ambient temperature: -10°C to 50°C
- Relative humidity: 30% to 95% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

### Conformance Standards

- EU and other regions requiring compliance with European Directive 93/42/EEC and subsequent amendments
  - General: EN 60601-1: 2006 + A1: 2013
  - Particular: EN 60601-2-37: 2008 + A1: 2015
- Other regions
  - General\*: IEC 60601-1: 1988 + A1: 1991 + A2: 1995
  - Particular\*: IEC 60601-1: 2005 + A1: 2012
  - Particular\*: IEC 60601-2-37: 2001 + A1: 2004 + A2: 2005
  - Particular\*: IEC 60601-2-37: 2007 + A1: 2015

\* This product is compliant with at least one of the general standards above and with at least one of the particular standards above depending on the date of shipment of the diagnostic ultrasound system used in combination.

# OUTLINE DRAWINGS



Unit: mm

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Canon Medical Systems Corporation meets the Environmental Management System standard ISO 14001.

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