

Wireless Peripheral Pulse and Respiratory Gating System

APPLICATION

This wireless peripheral pulse and respiratory gating system provides the capabilities of the peripheral pulse gating and respiratory gating to minimize a wide variety of artifacts. To use this system, the wireless cardiac gating system is required.

APPLICABLE SYSTEMS

Requirements for use

The wireless cardiac gating system should be installed in the MRI system.

Usable combinations of model number and system are listed below.

Model number of Wireless Peripheral Pulse and Respiratory Gating System	Applicable system
MKSU-PRGK01/S2	Vantage Titan 3T
MKSU-PRGK06/S1	Vantage Elan
MKSU-PRGK07/S1	Vantage Titan
MKSU-PRGK12/S1	Vantage Galan 3T
MKSU-PRGK13/S1	Vantage Orian
MKSU-PRGK13/S1	Vantage Fortian

This option may not be available in some countries/regions due to laws and regulations concerning radiofrequencies.

To confirm availability, contact your local Canon Medical Systems sales representative.

COMPOSITION

- Wireless SpO2 module..... 1
- Battery..... 1
- Hose for a respiration pillow sensor..... 1
- Pillow as a respiration sensor..... 1
- SpO2 probe sensor..... 1
- Grip sensor kit for an SpO2 probe..... 1
- Set of connection cables 1
- Set of accessories 1

PERFORMANCE SPECIFICATIONS

Function

- Peripheral pulse gating: Minimizing flow artifacts with easy attaching
- Respiratory gating: Minimizing artifacts caused by respiratory motion

Clip sensors

The following two types of non-disposable clip sensors are provided. The most suitable type can be selected for each patient.

- Pediatric (10 kg to 50 kg)
- Adult (> 40 kg)

Note: The wireless SpO2 module and SpO2 probe sensor are used to detect the peripheral pulse. These units cannot be used to measure the oxygen concentration in blood.

APPLICABLE CODES

- IEC 60601-1 (1988) + Amendment 1 (1991)
+ Amendment 2 (1995)
- IEC 60601-1 (2005) + Amendment 1 (2012)
- IEC 60601-1-2 (2001) + Amendment 1 (2004)
- IEC 60601-1-2 (2007)
- IEC 60601-1-2 (2014)

INSTALLATION CONDITIONS

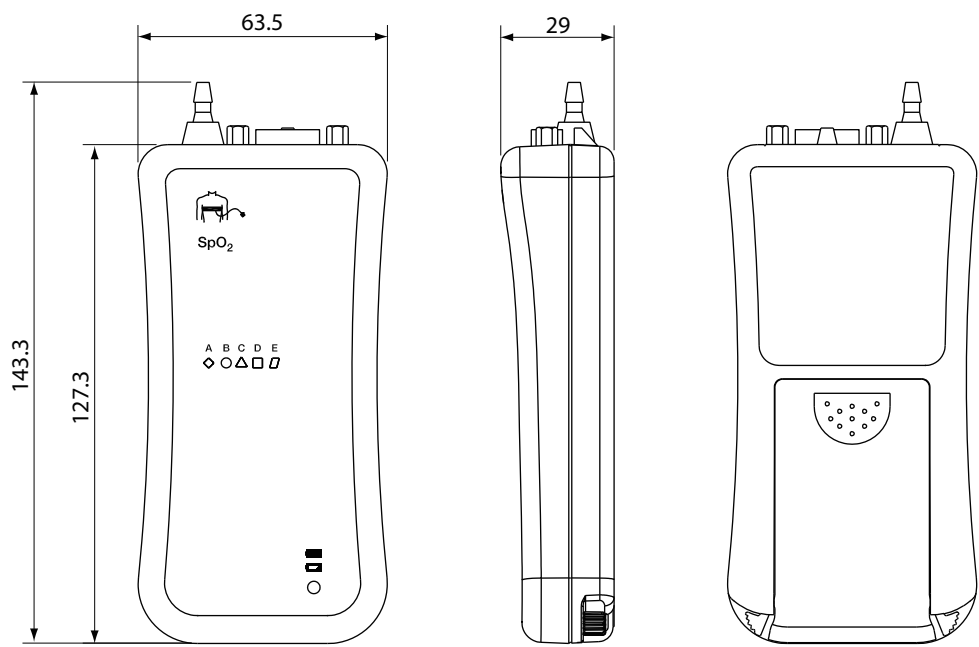
The power and environmental conditions are the same as for the MRI system.

MASS

Unit	Approx. Mass (kg)
Wireless SpO2 module with battery	0.19
Pillow sensor	0.02
SpO2 probe sensor	0.09

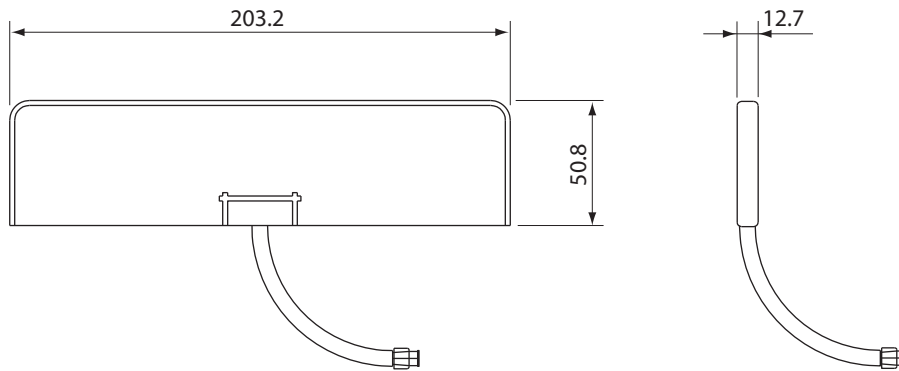
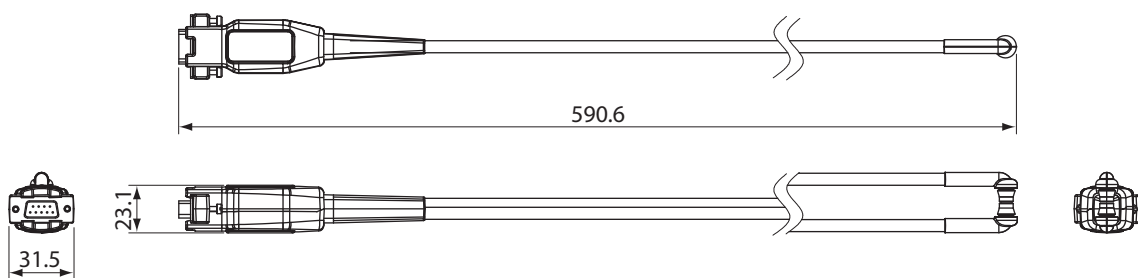
Wireless Peripheral Pulse and Respiratory Gating System

OUTLINE DRAWINGS



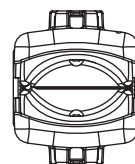
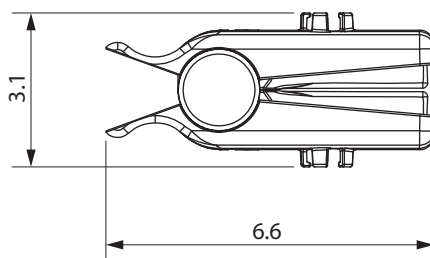
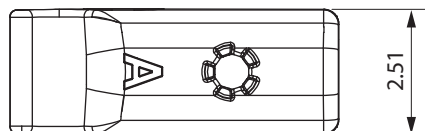
Wireless SpO2 module

Unit: mm

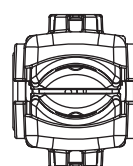
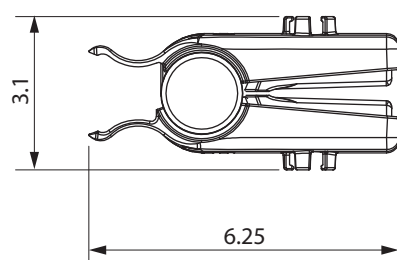
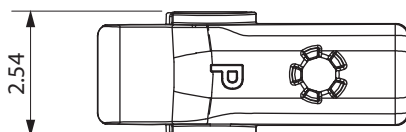
OUTLINE DRAWINGS**Pillow as a respiration sensor****SpO2 probe sensor**

Unit: mm

OUTLINE DRAWINGS



Clip for adult



Clip for pediatric

Unit: mm

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