

Technical Data CardiSense CS1[®] System

The Cardiacs **CardiSense CS1[®] System** provides continuous myocardial velocity monitoring and allows temporary ventricular pacing and sensing.

The CS1 research product is suitable for animal trials and is NOT FOR HUMAN USE

CardiSense CS1[®] System Specifications

CS1 System is comprised of three components: CS1 Research Device, CB1 Research Accessory, and the Acquisition Unit.

Table 1: CS1 Research Technical Specifications			
CS1 Lead Research		CS1 Adapter Research	
Description	TME with Embedded Accelerometer	Description	Connection Adapter to Split Lines from TME, and to Convert Signals for Accelerometer
Catalogue Number	CS1-R-1 (CS1-RL-1)	Catalogue Number	CS1-R-1 (CS1-RA-1)
Accuracy	Acceleration is Measured Individually in X, Y, and Z Direction Range: ± 8 g Resolution: 3.9 mg	Dimensions	0.7 (H) x 1 (B) x 4 (L) cm for adapter housing Length 2m for cable to CB1 Length 2m for leads to external pace
Usage	Single Use	Usage	Single Use
Operating Temperature	10°C – 25°C	Operating Temperature	10°C – 25°C
Sterilization Method	Ethylene Oxide	Sterilization Method	Ethylene Oxide
Shelf-Life	3 years	Shelf-Life	3 years
		Maximum I2C Rate	400 kit/s

Table 2: CB1 Research Technical Specifications	
Description	Isolation and Connection Accessory for Connecting CS1 and ECG to Acquisition Unit/CM Service
Name	CB1 Research
Catalogue Number	CB1-R-1
Dimensions	16 (H) x 6 (W) x 3 (D) cm
Weight	90g
Isolation Level Acquisition Unit to CS1	5kV
Usage	Multiple Use
Cleaning	Wipe off Visible Soil or Blood that occurs during a Surgery. Disinfect using a 70% Isopropyl Alcohol and a Sterile Prep Pad, Gauze Pad, or Sponge.
Operating Temperature	5°C – 40°C
Shelf-Life	3 years

Table 3: AU Technical Specifications	
Description	Acquisition Unit Medical grade PC with integrated touchscreen and medical grade power supply
Name	AU1 Research
Catalogue Number	AU1-R-1
Dimensions	194 (H) x 261 (W) x 38 (D) mm Display screen size : 10.1"
Weight	1.08 kg
Usage	Multiple Use
Mounting	VESA Mount 75x75, Wall Mount
Cleaning	Wipe off Visible Soil or Blood that occurs during a Surgery. Disinfect using a 70% Isopropyl Alcohol and a Sterile Prep Pad, Gauze Pad, or Sponge.
Power Supply	100-240 VAC, 50 – 60 Hz
Power Consumption	40 W
Operating Temperature	0°C – 40°C
Certifications	CE / FCC, 60601-1 4th Edition
Warranty	Up to 5 years