

# cardioSTART™ CS91x

Veterinary Defibrillator Monitor

## Innovating the Art of Resuscitation



Digicare's Cardiostart CS91x veterinary defibrillator monitor is compact, lightweight and rugged. Using state of the art biphasic technology with optional multiparameter capabilities, this defibrillator can deliver quick resuscitation therapy to most animal species. The biphasic waveform shock provides a safer and more effective therapy for optimal patient care.

- ✓ Biphasic Technology
- ✓ Extreme Compact Design
- ✓ AED Function
- ✓ Automatic and Manual Readiness Check
- ✓ Built-in Strip Chart Recorder
- ✓ AC and Battery Operation
- ✓ SD Card for Patient Data Storage
- ✓ Event Storage Including Voice Recording
- ✓ Options for SpO<sub>2</sub>, EtCO<sub>2</sub> and External Pacing
- ✓ Small and Large Hard Paddles and Disposable Pads



*Learn more at [digi-vet.com](http://digi-vet.com)*

 **DIGICARE**  
ANIMAL HEALTH  
Treat with confidence.

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## Technical Specifications



### Defibrillator

Operation Mode : Semi-automatic/Manual Defibrillation  
Output Waveform : e-cube Biphasic (BTE type)  
Output energy : 200 Joules fixed, Manual 1~200J  
R-sync defibrillation : transfer of the defibrillation energy synchronized with the R-wave out of QRS of the ECG signal within 60ms.

### ECG Monitoring Mode

ECG Input : 3-Lead, 5-Lead, 12-Lead  
Heart rate display: 30 ~ 300 bpm (Accuracy : 3 bpm)  
ECG Size : 5mm/mV, 10mm/mV, 20mm/mV

### Pacer Mode

Pacing Type: (Noninvasive Pacing)  
Energy Waveform : Monophasic Rectangular  
Pacing Mode : Demand mode, Fixed mode  
Energy Magnitude : 5 ~ 200 mA ( $\pm 5$ mA)  
Pacing Rate : 30~180 ppm ( $\pm 1.5\%$ )

### SpO2 Pulse Oximetry

Pulse rate : 20~250bpm ( $\pm 3$ bpm)  
SpO2 value : 1~100% SpO2 ( $\pm 3$ digit)

### Event Storage

External Storage  
ECG Data : Maximum 100 data & Store more than 192 hours of events and ECG data  
Voice Data : store more than 8 hours

### Printer

Print Method: Thermal printing  
Width: 48mm  
Print Rate : 25mm/second  
Printer paper: Width 58mm, Minimum diameter 40mm

### Exterior View

Dimensions (W x L x H)  
12.8" x 10" x 14"  
326 x 253 x 356mm (W x L x H)  
Weight: (without accessories)  
11 Lbs  
5kg

### Display

Type : TFT LCD (including backlights)  
Screen Size : 152.4 (W) x 91.44 (H) mm  
Resolution : 800 x 480 (RGB) pixels

### Ordering Information

#### Model CS91x

Includes:  
3 Lead ECG and cable  
Strip chart printer  
Hard Paddles small/large  
Small disposable pads  
SD Card

#### Model CS91xs

Includes:  
All included with model CS91x plus  
Nellcor SpO2 with lingual sensor  
Pacing

#### Model CS91xc

Includes:  
All included with model CS91xs plus  
EtCO2 Mainstream sensor with  
1 small and 1 large airway adapter

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