



The Datascope SC 100 is an intra-aortic balloon pump that features Intellasync software. The Maquet Datascope CS100 and the Datascope Cs 100 are the same base system the only difference between them is the software on each unit. The CS100 has the more recent updated software. The Datascope IABP can be used in an operating room, catheter lab, or critical care setting. The system offers three operation modes; automatic, semi-automatic, and manual, making it easy to switch between modes when needed. The Datascope CS100 offers a foldable and detachable laptop-style display. The color display screen makes it easier for caregivers to adjust the pump and monitor the patient remotely. Another version of the Maquet Datascope Intra-Aortic Balloon Pump is the Maquet Datascope CS 300.

## Features

- Maquet CS100 IABP comes with with IntelliSync offers one-button start up, automatically adapting to changing conditions, making it the right choice for any patient condition.
- Automatically evaluates and selects optimal trigger source and lead
- Sets inflation at the dicrotic notch and deflates IAB at the start of systole
- Responds to changes in signal quality by selecting new trigger source Automated trigger source and timing management provide continuous, consistent support for your patient.
- Fast, one-button start-up automatically conducts autofill and initiates 1:1 assist.
- Full color, high contrast display tilts for easy viewing.
- Display and keypad in laptop-style configuration, allowing caregivers to fold and detach the unit for remote operation. Easy-to-use keypad with an intuitive user interface.
- Customizable display panel allows operators to adjust sweep speed, brightness, balloon waveform, and inflation markers.
- Switch easily between three operation modes: Automatic, Semi-Automatic and Manual.
- Automatically evaluates and selects optimal trigger source and lead.
- System detects changes and easily adapts to new patient rhythms.
- Fully annotated printouts with user-configurable waveforms and strip lengths.
- Locking casters and durable design keep the CS100 secure in a variety of settings.



# Specifications

## Dimensions

Height: 30 in (76.2 cm)  
Width: 22.5 in (57.2 cm)  
Depth: 13.2 in (33.5 cm)  
On Cart  
Height: 42.2 in (114.8 cm)  
Width: 17.6 in (44.7 cm)  
Depth: 23.4 in ( 59.4 cm)  
Off Cart  
Height: 28.2 in (71.6 cm)  
Width: 11.3 in (28.7 cm)  
Depth: 21.5 in ( 54.6 cm)  
Monitor weight: 9.5 lbs (4.3 kg)  
Console weight: 133.2 lbs ( 60.4 kg)

## Color Display

Width: 8.3 in (21cm)  
Height: 6.2 in (15.8 cm)  
viewing angle:  
Up: 45°  
Down 55°  
Right 70°  
Left 70°  
Rotates 330°  
Tilts 180°  
Detachable Laptop-like closure for storage and protection

## Power

Mains Voltage: 100-120 VAC  $\pm$  10% or 220-240 VAC  $\pm$  10%  
Mains Frequency: 50/60 Hz  $\pm$  3 Hz  
Internal Battery: 24 VDC (nominal), 17.2 Amp-hour, 3 hrs.(approx. @ 90 bpm)  
Battery Type: Maintenance free; Sealed lead-acid

## Operating Conditions

Operating Temperature: 10°C - 40°C  
Operating Humidity: 5 - 95% (R.H.) non-condensing  
Operating Altitude: 0 - 12,000 feet (3,657 m); automatic altitude correction for IAB pressure

## General Information

ECG Gain (default): 1 V output per 1 mV input  $\pm$ 5% (waveform automatically scaled to occupy ECG display window)  
Gain (variable): 0.15 to 3.0 cm/mV  $\pm$ 20% (autoscaling disabled)  
Frequency Response: 0.5-12 Hz (display); 0.5-135 Hz (Output to Monitor)  
Defibrillator Protection: Discharge levels  $\geq$ 360 J (trace returns to screen in 5 sec. max)