



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
mediworld21@gmail.com  
+91 98900 67867 or +91 8668334988

## Maquet Datascope CS100

### Description

The **Datascope CS100** is a highly customizable balloon pump system that allows caregivers to deliver the best care in a variety of situations. The unit has three modes of operation: Automatic, Semi-Automatic and Manual. This allows caregivers to use the C100 to manually operate the pump, or set up the unit to offer automatic specialized therapy.

The laptop-style display and keypad easily fold up and detach, allowing clinicians to remotely monitor patients.

- 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.



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
mediworld21@gmail.com  
+91 98900 67867 or +91 8668334988



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
 mediworld21@gmail.com  
 +91 98900 67867 or +91 8668334988

<p><b>Dimensions</b></p>	<p><b>Color Display</b></p>
<ul style="list-style-type: none"> <li>• Height: 30 in (76.2 cm)</li> <li>• Width: 22.5 in (57.2 cm)</li> <li>• Depth: 13.2 in (33.5 cm)</li> <li>• On Cart</li> <li>• Height: 42.2 in (114.8 cm)</li> <li>• Width: 17.6 in (44.7 cm)</li> <li>• Depth: 23.4 in ( 59.4 cm)</li> <li>• Off Cart</li> <li>• Height: 28.2 in (71.6 cm)</li> <li>• Width: 11.3 in (28.7 cm)</li> <li>• Depth: 21.5 in ( 54.6 cm)</li> <li>• Monitor weight: 9.5 lbs (4.3 kg)</li> <li>• Console weight: 133.2 lbs ( 60.4 kg)</li> </ul>	<ul style="list-style-type: none"> <li>• Width:8.3 in (21cm)</li> <li>• Height: 6.2 in (15.8 cm)</li> <li>• viewing angle:</li> <li>• Up: 45°</li> <li>• Down 55°</li> <li>• Right 70°</li> <li>• Left 70°</li> <li>• Rotates 330°</li> <li>• Tilts180°</li> <li>• Detachable Laptop-like closure for storage and protection</li> </ul>
<p><b>Power</b></p>	<p><b>General information</b></p>
<ul style="list-style-type: none"> <li>• Mains Voltage: 100-120 VAC <math>\pm</math> 10% or 220-240 VAC <math>\pm</math> 10%</li> <li>• Mains Frequency: 50/60 Hz <math>\pm</math> 3 Hz</li> <li>• Internal Battery: 24 VDC (nominal), 17.2 Amp-hour, 3 hrs.(approx. @ 90 bpm)</li> <li>• Battery Type: Maintenance free; Sealed lead-acid</li> </ul>	<ul style="list-style-type: none"> <li>• ECG Gain (default): 1 V output per 1 mV input <math>\pm</math>5% (waveform automatically scaled to occupy ECG display window)</li> <li>• Gain (variable): 0.15 to 3.0 cm/mV <math>\pm</math>20% (autoscaling disabled)</li> <li>• Frequency Response: 0.5-12 Hz (display); 0.5-135 Hz (Output to Monitor)</li> <li>• Defibrillator Protection: Discharge levels <math>\square</math>360 J (trace returns to screen in 5 sec. max)</li> </ul>
<p><b>Operating Conditions</b></p>	
<ul style="list-style-type: none"> <li>• Operating Temperature: 10°C – 40°C</li> <li>• Operating Humidity: 5 – 95% (R.H.) non-condensing</li> <li>• Operating Altitude: 0 – 12,000 feet (3,657 m); automatic altitude correction for IAB pressure</li> </ul>	



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
 mediworld21@gmail.com  
 +91 98900 67867 or +91 8668334988



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
mediworld21@gmail.com  
+91 98900 67867 or +91 8668334988

## Operating Modes

- ECG Trigger: Threshold dynamically adjusted by system for high sensitivity and selectivity of the R-wave detection; Minimum =  $120\mu\text{V} \pm 20\mu\text{V}$  at normal gain;  $40\mu\text{V}$  at max. gain
- Pressure Trigger: Default trigger threshold is automatically adjusted to 38% of the difference between peak systolic and end diastolic (avg. over multiple cycles); In variable mode: User adjustable between 7 and 30 mmHg  $\pm 3$  mmHg
- Pacer A Trigger: R-wave detection (as above) except pacer blanking is extended to 100 ms
- Pacer V/A-V Trigger: V Pacer: fixed at rate up to 185 bpm (no demand pacing) A-V Pacer: fixed at rate up to 125 bpm (no demand pacing) with A-V intervals between 80-224 ms
- Internal Trigger: Variable mode: 40-120 bpm; Normal mode:  $80 \pm 1$  bpm
- Tall T-Wave Rejection: Rejects all T-Waves where Q-T interval is  $< 300$  ms and the amplitude is  $< 70\%$  of QRS input amplitude
- Pacer Rejection: Rejects all pulses of amplitude  $\pm 2.0$  mV to  $\pm 700$  mV and durations between 0.1 ms to 2.0 ms with: 1) No tail; 2) 100 ms time constant tail  $< 1$  mV; 3) 25 ms time constant tail  $< 1$  mV; 4) 4 ms time constant tail  $< 2$  mV



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

**MediworldIndia**

contact@mediworldindia.com  
mediworld21@gmail.com  
+91 98900 67867 or +91 8668334988