



## Technical Data

# CARDIOVIT CS-200 Excellence

### System

#### Device

**Dimensions:** 160 x 76 x 80 cm

**Weight:** 85 Kg incl. Trolley

**Operating System:** WINDOWS™ embedded 64-bit

#### Ambient conditions

##### Temperature:

- Operation: +10 °C to 40 °C
- Transport: -10 °C to 50 °C
- Storage: +5 °C to 50 °C

##### Humidity:

- Operation: 15 to 95 % non-condensing
- Transport/storage: 10 to 95 % non-condensing

##### Pressure:

- Operating: 700 to 1060 hPa
- Transport/storage: 500 to 1060 hPa

**IP protection class:** IP20

#### Electrical data

**Power supply:** 100-240 V AC, 50/60 Hz

**Power consumption:** Approx. 150 VA (max), < 7 W standby

**Backup Battery:** Bridging of power interruption of at least 3 minutes (ECG direct print possible)

Defibrillation protected

#### ECG amplifier

Complies with IEC standard 60601-2-25 and ANSI/AAMI EC11

#### Interfaces

LAN (RJ45 /100 MB)

RS-232 (x7 for ergometers and peripheries)

QRS trigger output

Analogue ergo output

Analogue signal in/out

USB (x4)

USB 3.0 (x2)

Audio

DVI (x2)

**For communication functions see options**

#### Filter

**ARBA Filter:** High & low pass filter & baseline correction to suppress muscle tremor and high-frequency noise, without affecting the QRS complex.

**RNSF:** Robust noise suppression filter – reduces noise and baseline artifact while preserving the diagnostic quality of the ECG signal (for Resting and Exercise ECGs).

**Line Filter:** 50 or 60 Hz

#### Recording functions

Simultaneous recording of 16 channels

Standard, Cabrera,

**QT correction:** Bazett, Fredericia, Framingham or Hodges

**Lead selection:** Right precordial, left posterior, Frank, Nehb

#### Computerized measurements:

- QT Dispersion
- Measurements
- Pacemaker measurement

#### Rhythm recording:

- Events
- Full disclosure (max. 2h)
- 10 seconds of ECG signal from the stored Rhythm Recording
- Arrhythmia Detection

#### Exercise ECG:

- Full disclosure
- RISK Duke Treadmill score
- Arrhythmia Detection
- Echo View
- Previous test retrieval

- **For additional recording functions see options**

### Components

#### Monitor

24" full HD 1920 x 1080 LCD

Displayed leads: 16

#### Printer

Internal Thermal Printer

Selectable Print Formats

Real-time rhythm strip (Manual mode)

**Printing number of traces in real-time rhythm:** 16

**Thermopaper Format:** Z-folded modified A4

**Paper speed:** 5/12.5/25/50 mm/s

**Sensitivity:** 2.5/5/10/20 mm/mV

External Laser or Ink printer option

#### Memory

Internal memory: 500 GB

### Options

#### Hardware

SCHILLER vacuum electrode system

#### Software

**ETM** (computer-aided ECG interpretation):

- ETM for adults and children (5.035002)
- ETM sport - Seattle Criteria (5.035004)
- ECG Re-interpretation (standard)

#### Exercise ECG:

- HyperQ diagnosis for exercise ECG (4.150271)

**Vector ECG** (5.035003)

**HyperQ diagnosis for resting ECG** (4.150319)

**AF Toolbox** (5.035012)

**Signal averaging ECG** (5.035008)

#### Communication

**SEMA3 Server required**

- XML/PDF export to HIS/EMR
- DICOM/HL7 ECG export to HIS/PACS (5.602101)
- HIS/EMR patient import for PDQ (5.602102)
- HIS / EMR Results Export (5.602103)
- HIS/EMR/PACS order import for Worklist (5.602104)

### Standards

#### Certification:

**Protection class according 60601-1:** II

**Applied Part according 60601-1:** CF

**Classification according Directive 93/42/EEC:** IIa

**Notified body:** CE 0123

#### Warranty

See general terms of condition on [www.schiller.ch](http://www.schiller.ch)



# SCHILLER

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