



Technical data

DEFIGARD Touch 7

System

Device

Dimensions: 160 x 250 x 70 mm (l/w/h)

Weight: 2.4 kg (incl. battery)

Ambient conditions

Temperature:

- Operation: 0 to 40 °C;
- Transport/storage: -10 to 50 °C

Humidity:

- Operation: 30 to 95 % non-condensing
- Transport/storage: 0 to 95 % non-condensing

Pressure:

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

Dust and water protection: IP55

Electrical data

Power supply: Rechargeable and replaceable Li-Ion battery 10.4V, 4.3 Ah

Battery capacity: 6 hours of continuous display or 100 shocks at maximum energy

Battery charging:

- External power supply adapter 100 to 240 VAC, 50 to 60 Hz
- Ambulance bracket 12 to 28 VDC
- External battery charger SCHILLER CS-1

Safety Cell: non-rechargeable Li/MnO₂ 6 V, 1.4 Ah

Display

LCD colour capacitive touch display, protected by tempered glass

LCD Resolution: 800 x 480 WVGA

LCD Size: 7"

Modes: Colour + black & white (for high sunlight conditions)

Interfaces & Communication

Interface: Ethernet (via USB adapter) and USB 2.0

Bluetooth: 4.0

GSM: 3G

WiFi: 802.11b, g, n

- Security: WEP, WPA, WPA2 Personal and WPA2 Enterprise

File format: SEMA, PDF

Communication protocol: SCHILLER Restful, Email, SCHILLER ePCR protocol¹

Patient data transmission:

- Transfer of 10 seconds of 12 lead ECG with measurements and interpretation (R-ECG)
- AED intervention data (ECG, impedance curves), events
- Trends
- Screenshots
- Patient vitals as spot measurements¹

Self-tests: Automatic transmission to SCHILLER Server

Software & Configuration update: Through the network with SCHILLER Update Server or via USB stick

Data storage capacity: 200 interventions FIFO (max. 24 hours)

Measured parameters

ECG

Leads: 4+6 wire cable, simultaneous acquisition of leads I, II, III, aVR, aVL, aVF + V1-V6

Heart rate: 30 to 350 bpm

Sensitivity: 0.25, 0.5, 1, 2 cm/mV

Lead Quality Management: lead off detection

ECG diagnostic

Arrhythmia analysis

Resting ECG including measurement and interpretation

SpO₂

Technology: Masimo SET Rainbow

Parameters: SpO₂, SpCO, SpMet

Sensors: disposable and multi-use sensors for adult and children, for measurements on finger, ear or foot

NIBP

Measuring method: Oscillometric

Measurements: manual, automatic and venous blockage feature

Temperature

Input: 1 channel

Sensors: Skin or endocavity disposable or multi-use sensors

etCO₂ Mainstream and sidestream

Measuring method: Masimo IRMA™ and ISA™

Parameters: etCO₂, Respiration Rate and Apnea

Defibrillation

Defibrillation mode

AED

Manual (synchronised or asynchronised)

Waveform

Pulsed BTE (Biphasic Truncated Exponential) – Multipulse Biowave®

Energy

AED adult: 150/200/200 J – other energies settings can be configured

AED child: 50/50/50 J – other energies settings can be configured

Manual: 2-4-8-15-30-50-70-90-120-150-200 J

Pads

Type: for adult and child

Cable length: 2 m

RFID tag: for pads shelf life monitoring

CPR feedback

Sensor: ARGUS PRO LifePoint®

Measurements: Depth, speed and recoil² during chest compression

Free CPR

Information on the chest compression frequency using impedance variation acquired with defibrillation pads.



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The Art of Diagnostics



DEFIGARD Touch 7

Printer

Thermal printer (external)

Dimensions: 162 x 176 x 77 mm (l/w/h)

Weight: 0.61 kg (incl. battery)

Dust and water protection: IP54

Thermopaper Format: width 109 mm/ roll length 40 m

Standards

Certification:

Protection class according to 60601-1: II

Applied Part according to 60601-1: CF, Defibrillator BF

Classification according to Directive 93/42/EEC: II b

Standards:

- IEC60601-1: Electrical safety
- IEC60601-1-2: EMC
- IEC60601-1-8: Alarms
- IEC60601-1-12: Environmental condition for emergency medical devices
- IEC60601-2-4: Defibrillators
- IEC 60601-2-25: ECG recorders
- IEC60601-2-27: ECG monitors
- IEC 60601-2-30: Blood pressure monitors
- IEC 60601-2-49: Vital signs monitors
- ISO 80601-2-56: Thermometers
- ISO 80601-2-61: Pulsoximeter
- IEC 60529: Protection indication

Notified body:  0459

1 will be available in the future

2 Except for France, Germany, UK and USA



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