

Mobile Diagnostic Center(CDM)

The EXO CDM is a solution to facilitate remote medical diagnosis.



FEATURES

- Connectivity: Wi-Fi, 3G-4G and satellite (optional).
- Parameters: ECG, respiration, oximetry (SpO₂), heart rate, non-invasive blood pressure (NIBP) and superficial temperature.
- The results are displayed on screen and sent remotely in real time.
- Allows data and medical studies cloud storage, for later analysis.
- Secure and confidential data exchange and storage.
- Allows videoconferences.
- Available optional devices: diagnostic imaging, examination, auscultation and spirometry.
- Fast and easy operation.
- Easy to carry.
- For adult or pediatric patients.



Developed in collaboration with the
**Faculty of Medical Sciences,
National University of Rosario**





PARAMETER ESPECIFICACIONES

ECG

12 lead (5 terminal cable)
Gain: 2.5, 5, 10, 20 mm/mV
Band width:
Diagnostic mode: 0.05 – 100 Hz (3dB)
Control mode: 1 – 40 Hz
Operation mode: 0.1 - 25 Hz
Heart rate: 0 - 250 l/min
Accuracy: ± 2 l/min

RESPIRATION

Range: 10 – 100 rpm
Accuracy: ± 2 rpm

SpO₂

Range: 70 – 100 %
Accuracy:
90 – 100 %: ± 2 %
70 – 89 %: ± 3 %
Heart rate:
Range: 0 – 250 l/min
Accuracy: ± 2 l/min

NIBP

Cuff inflation time: < 15 sec
Initial inflation pressure:
Adults dynamic : 160 mmHg
Pediatric : 100 mmHg
Range Systolic blood pressure:
Adult : 30 – 280 mmHg
Pediatric 30 – 160 mmHg
Range Diastolic pressure:
Adult : 15 – 250 mmHg
Pediatric : 15 – 130 mmHg
Mean Pressure:
Adult : 20 – 265 mmHg
Pediatric 15 – 140 mmHg
Accuracy: Static pressure: ± 3 mmHg

TEMPERATURE

Axillary
Range: 30 – 45 °C; Accuracy: ± 0.2 °C
Range: 0.1 °C - 29.9 °C; Accuracy: ± 0.5 °C

PATIENT

Age: > 1 year
Weight: 9 – 150 Kg



TECHNICAL CHARACTERISTICS

POWER

AC 100 - 240 V; 50 – 60 Hz; DC 12V – 2.5A
Battery: 10.400 mAh
Recharge time: 6 hs
Autonomy: 2 hs

OS: Windows 10 IoT Enterprise

MICROPROCESSOR: Intel® Quad Core® N3450 to 1.10 GHz (up to 2.20 GHz)

MEMORY: 4 GB

CAPACITY: 120 GB Solid Storage

DISPLAY: Touchscreen LCD 11.6" (16:9) Res.1366 x 768 IPS

CAMERA: 2 MP HD Rotatable

DATA FORMAT: FHIR-HL7

CONNECTIVITY: Wifi 802.11 ac | Lan Gigabit Ethernet | Bluetooth 4.0 LE

PORTS:

1 x mini HDMI | 1 x USB 2.0 | 1 x USB 3.0 | 1 x DC-JACK headset with microphone | 1 x Micro-SD up to 32 GB | Kensington Lock

PHYSICAL DIMENSIONS: 300 mm – 212 mm – 84 mm (length-width-height)

WEIGHT (INCLUDING ACCESORIES): 4 Kg

OPERATING ENVIRONMENTAL CONDITIONS:

Temperature: 5°C – 35 °C
Atmospheric pressure: 700 – 1060 hPa
Relative humidity: < 80 %

TRANSPORT ENVIRONMENTAL CONDITIONS:

Temperature: 0°C – 50 °C
Atmospheric pressure: 500 – 1060 hPa
Relative humidity: 10 – 90 % (without condensation)

OPTIONALS:

Diagnostic imaging, examination, auscultation and spirometry



EXO-F220-MK-EN-04

For more information visit:

<https://health.exo.com.ar/centro-de-diagnostico-movil/>



EXO is certified in the Quality Management System for Medical Equipment according to the IRAM-ISO 13485: 2019 Standard for the design, development and manufacture of medical devices.

In addition, it develops and integrates technological solutions under International Quality and Environmental Standards ISO 9001: 2015/14001: 2015.



Manufactured in Argentina by EXO S.A.
Av. Chiclana 3444 (C1260ACO)
Technological Distrit, - CABA
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