

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)

➤ OPTIONAL:

Diagnostic imaging, examination, auscultation and spirometry



For more information visit:

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

EXO-F220-MK-EN-05



Sistema de
Gestión
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

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EXO® develops and integrates technological solutions under ISO 9001:2015 Quality Standards; Environmental Management ISO 14001:2015 and Occupational Health and Safety ISO 45001:2018.

EXO® is an associate member of Intel® Technology Titanium Provider 2021 and Microsoft® Partner.

Manufactured in Argentina by EXO S.A.
3444 Chiclana Ave. (C1260ACO) Technological District, CABA



Soluciones Tecnológicas

