

CNOGA

MEDICAL

Seeing Beyond Imagination

Non-Invasive Bio-Parameters Measurement



TENSOR TIP

CoG

Non-Invasive Glucometer

Diabetes Self-Management Has Never Been Easier

Combo Glucometer

- No pricking, No pain
- Single Patient Personal Device
- Suitable for Adult Diabetics (age>18)
- Measures Glucose in the Range of 70-500 mg/dl
- No Lancing, No Consumables
- Portable and Lightweight – ~100g
- 500 History Management Storage



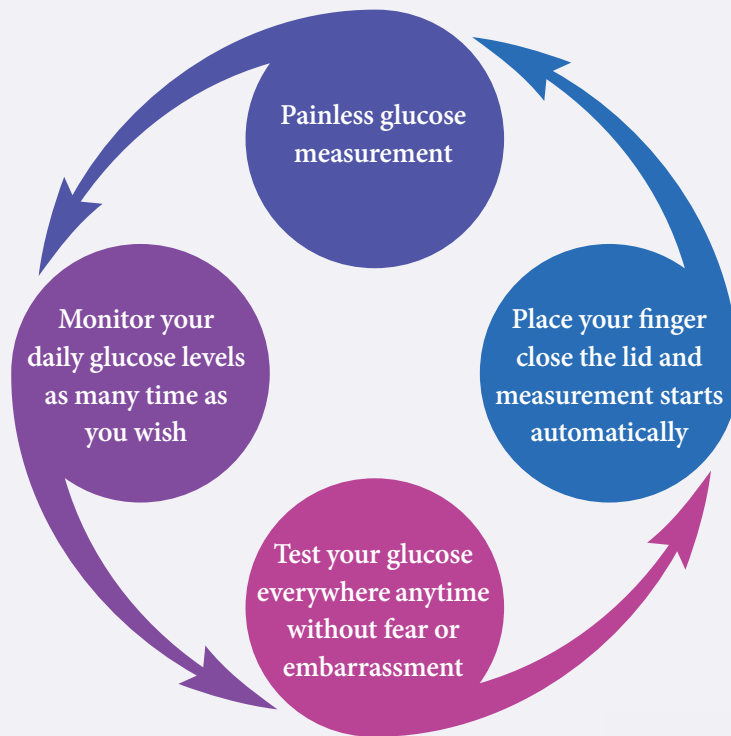
The Most Accurate Non-Invasive Glucometer

Imagine a world, where diabetics no longer have to suffer the frequent pain of drawing blood to measure their blood sugar levels. A world where monitoring is performed more frequently to gain better disease management, less suffering, fewer medical complications and lower health care costs.

The CoG is a novel non-invasive personal blood glucose measurement device suitable for adult diabetics (age>18) with blood glucose levels above 70mg/dl. The CoG is the most accurate non-invasive glucometer due to its initial one-week personal calibration phase. The device's clinical results comply with the highest accuracy and quality standards.

The Calibration Process

The Combo Glucometer combined of invasive and non-invasive modules. The detachable invasive module is intended for the personal calibration period. During the calibration period the patient needs to measure his blood glucose levels invasively and non-invasively correspondently. The invasive module can be used also for measuring blood levels under 70mg/dl (3.9 mmol/L). The device is approved in 37 countries (CE, Anvisa, CFDA, Canada, AMAR).



Technical Specifications Summary

- Weight: 112.9gr
- Storage: 500 History management storage
- Dimensions : 42.8mm x 48mm x 82mm (H x W x L)
- Device Range :
 - Invasive module capability test scope: 50-500 mg/dl (2.8-27.8mmol/L)
 - Non-Invasive module tested scope: 70-440 mg/dL (3.9-24.4mmol/L)
- All supplies required during the initial calibration phase are included with the CoG



TENSOR TIP MTX

Matrix

Non Invasive Blood Bio-Parameters Measurements

- Continuous, Non-invasive and Cuff-free Blood Pressure
- Non-invasive Hemoglobin, Hematocrit, and RBC
- Non-invasive Blood Gases (Ph, PCO₂, PO₂, O₂&CO₂ Content)
- Non invasive Cardiac Output , Stroke Volume, MAP
- Bluetooth – Cloud Base Connectivity
- Quick – Less than 60 seconds
- Easy to use & Portable device



Monitoring Your Health Has Never Been Easier

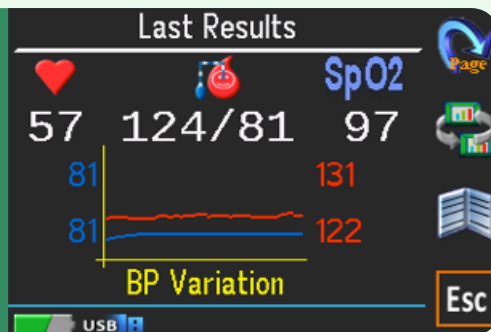
Cnoga Medical envisions a future where people are no longer just patients, but empowered patients in control of their own health and wellbeing. Cnoga believes that the time is soon approaching when most blood tests will be conducted by the patients themselves. Using a simple, non-invasive device, patients can continuously monitor their health in the comfort of their own homes. Measurements can be transmitted via Bluetooth base connectivity to the dedicated application, "Singular" for further analysis.

Cnoga's breakthrough technology is based on four Light Emitting Diodes (LEDs) within the finger compartment that shines a discrete wavelength from visual light to infrared light, sensing in the continuous spectrum ranging from 600nm – 1150nm, through the fingertip. As the light wave passes through the fingertip, tissue and blood capillaries, some of the light is absorbed and in turn, the light signal is changed. The light wave is then projected on to the camera. The image sensor detects real time changes of the tissue color and the signal is passed on to a processor where Cnoga's advanced algorithm computes bio parameters.

Parameters

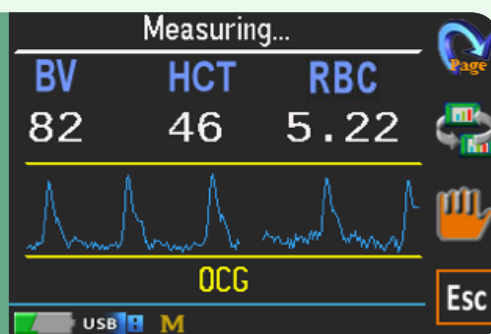
Hemodynamics

- Pulse
- Continuous Blood Pressure
- Cardiac Output (CO)
- Stroke Volume (SV)
- Mean Arterial Pressure (MAP)
- OCG – Optical cardiogram



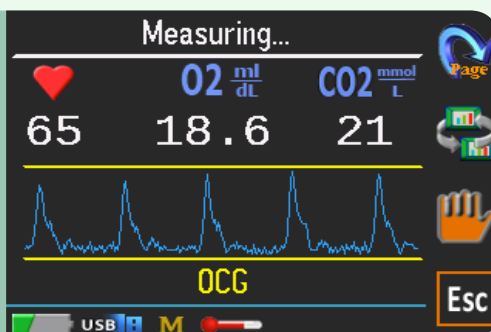
Hematology

- Hemoglobin (Hgb)
- Hematocrit (Hct)
- Red Blood Count (RBC)
- Blood Viscosity (BV)



Blood Gases

- Oxygen Saturation (SpO2)
- Carbon Dioxide Partial Pressure (pCO2)
- Oxygen Partial Pressure (pO2)
- pH
- O2 Content
- CO2 Content



Technical Specifications Summary

- Weight: 99.9gr
- Dimensions : 43.2mm x 47.65mm x 74mm (H x W x L)
- Features: Easy to use, 500 history management
- Connectivity: USB, interface with PC, smart-phone and web, Bluetooth

TENSOR TIP VSM

VITAL SIGNS MONITOR

Vital Signs Telemedicine System

The VSM device is innovative, low cost and easy to use monitoring device that meets the growing need for monitoring Hypertension & Cardiovascular diseases.

VSM intended to suit the customers' specific needs and includes 3 versions according to customers' requirements. The basic VSM measures 3 bio-parameters includes Pulse, Blood pressure and Oxygen saturation (SpO₂). Additional parameters such as Blood gases or Hematology parameters can be added to the device.

MTX and VSM are approved for marketing in more than 37 countries (Certifications: CE, CFDA , Anvisa).
Cnoga Medical is the only company in the world approved by the U.S FDA for cuff less monitoring of blood pressure & Pulse.

Application Specific Devices to Meet Patients' Requirements

	Parameter	Units	MTX	VSM
♥	Pulse (Heart Rate)	BpM	✓	✓
BP	Blood Pressure	mmHg	✓	✓
SV	Stroke Volume	mL	✓	
CO	Cardiac Output	L/min	✓	
MAP	Mean Arterial BP	mmHg	✓	
Hb	Hemoglobin	g/dl	✓	✓
HCT	Hematocrit	%	✓	✓
RBC	Red Blood Cells	M/mcl	✓	✓
SpO ₂	Oxygen Saturation	%	✓	✓
pH	pH		✓	
pCO ₂	CO ₂ Partial Pressure	mmHg	✓	✓
CO ₂	CO ₂ Content	mmol/L	✓	✓
pO ₂	CO ₂ Partial Pressure	mmHg	✓	✓
O ₂	CO ₂ Content	mL/dL	✓	

Technical Specifications Summary

- Weight: 99.9 gr
- Display: LCD 2.2"
- Dimensions: 43.2mm x 47.65mm x 74mm (H x W x L)
- Connectivity: USB, interface with PC, smart-phone and web, Bluetooth

Singular Home and Doctor Cloud based Application

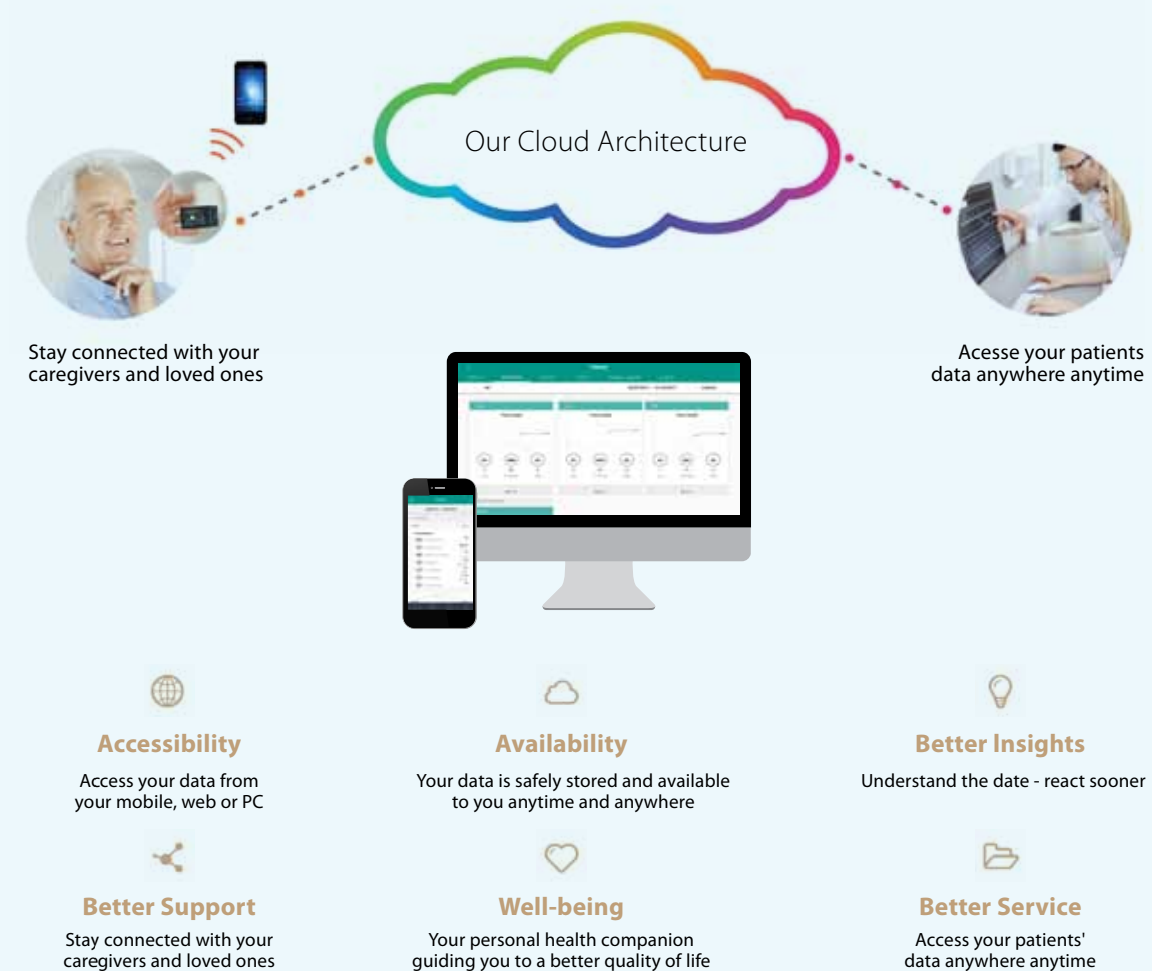
Cnoga Singular Application for the Home Users

The Singular is a mobile application for MTX and VSM users.

Using Blue tooth connectivity, data from the MTX and VSM can be presented in real time on a user friendly mobile application. The data is automatically stored on a secure cloud platform that provides History Management, Trending Analysis, customization of personal normal values and Alert Notifications. The collected data can be easily shared with the personal physicians and caregivers for better health monitoring.

Cnoga's Doctor Management Platform for Monitoring Patients Cnoga

A cloud base patients management system dedicated for small clinics and for monitoring inpatient and out patients. The system provide doctors with a tool for collecting patient medical data, remote communication with a patient at home , generate lab reports, update patients EMR, provide alerts and history trending analysis. The collected data can be easily shared with the personal physicians and caregivers for better health monitoring



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Company Profile

CNOGA Medical Ltd. is a privately held international company with headquarters in Israel and branch offices in China and Brazil. Cnoga Medical developed and distributes innovative Non Invasive medical devices for Diabetes & Cardiovascular disease management. Cnoga medical is the first company in the world that developed a line of Noninvasive and pain-free products that comply with the highest accuracy and quality standards. Using a camera real time color image sensor and unique patent algorithm Cnoga medical manage to analyze the vast amount of data and detect blood chromatic changes as a function body physiology this enable Cnoga the capability to compute desired Bio Parameters in a non-invasive manner.

Noninvasive products:

- **TensorTip Combo Glucometer:** the most accurate commercial non-invasive glucose measurement device for diabetic patients
- **TensorTip MTX/VSM:** a compact innovative device that measures non-invasively 16 bio parameters in less than a minute. The TensorTip MTX/VSM can measure cuff less blood pressure , Hemoglobin, Hematocrit, RBC, Pulse, Spo2,pH, Blood gas and Hemodynamic paramters

Cnoga devices have undergone extensive clinical trials and complies with the highest accuracy and quality standard. Cnoga devices are approved for marketing in more than 37 countries (Certifications: CE mark approved, CFDA , Anvisa, U.S FDA approved for Blood pressure & Pulse).



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