

Accuracy Table:

Displayed Output or Biomarker	Performance MAE (Mean Absolute Error) +/- ST Deviation Error	Units	Compared against/ Based on	Study Type
Heart Rate	4.06 +/- 3.87	bpm	Medical Grade ECG	Clinical Observational Study, IRB approved, >1800 participants
Mean RR interval fed into HRV RMSSD	Tachogram analysis of output: ICC 3,1=0.94	ms	Medical Grade ECG	Clinical Observational Study, IRB approved, >700 participants
Respiratory Rate	<4	bpm	Research grade Piezo electric chest strap	In house pilot study N=35
Oxygen Saturation (SpO2, Selected Geographies)	1.85 +/- 2.47	%	Medical Grade Oximeter	Clinical Observational Study, IRB approved, >1800 participants
Blood Pressure- Systolic (Selected Geographies)	9.47 +/- 7.93 (calibrated)	mmHg	ISO compliant BP cuff	Clinical Observational Study, IRB approved, >1800 participants
Blood Pressure- Diastolic (Selected Geographies)	5.91 +/- 5.35 (calibrated)	mmHg	ISO compliant BP cuff	Clinical Observational Study, IRB approved, >1800 participants
Cardiovascular Risk Index	NA	%	Framingham Heart Study 10-year Cardiovascular Risk Score	Large Public Longitudinal Study - https://www.framinghamheartstudy.org/fhs-for-researchers/fhs-risk-functions/cardiovascular-disease-10-year-risk/
Hypertension Risk Index	NA	%	Framingham Heart Study- Hypertension Prediction	Large Public Longitudinal Study - https://www.framinghamheartstudy.org/fhs-for-researchers/fhs-risk-functions/hypertension/
Hydration Score	NA	Binary Yes/No	Derived metric based on the Sit to Stand Test	Clinically accepted test metric: https://www.cdc.gov/steady/

				media/pdfs/STEADI-Assessment-30Sec-508.pdf
Energy Level Score	NA	%	Directional Score derived metric from HR, HRV, RR and Stress Score	
Stress Index	NA	Stressed/Stimulated/Relaxed	Baevsky Stress Index (BSI)	Citation: https://academic.oup.com/eurheartj/article/45/Supplement_1/ehae666.3425/7839035?guestAccessKey=

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Saudi Arabia Food and Drug Authority: iSelfie Heart Health Regulatory Clearance

Approval Number: MDMA-2-2026-0858

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Properties	
Approved Measurements	• Heart Rate • Blood Oxygen Saturation (SpO₂) • Blood Pressure (requires calibration with a medical-grade device)
Approved Use Profile	Lay Person or Health Worker Settings: home or Ambulatory Clinic settings Non-continuous care as pre-screening Purpose: identify potential changes in resting CV parameters
Contraindicated	Not for use for people with: Severe facial trauma, scars, or skin conditions life-threatening critical care or acute healthcare settings. heavy or opaque facial make-up and spectacles
Working environment	Smartphones with a camera of 5Mpx resolution A stable internet connection of >2Mbps or 4G Adequate lighting and low motion

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