Technical Specifications

RED-HSD7 AI Health Screening Kiosk

Integrated self service health screening system combining multi parameter measurement, AI supported assessment, printed reporting and open API connectivity.

Product Overview

Specification	Details
Model	RED-HSD7
Category	Health Screening
Product type	Integrated self service multi parameter health screening kiosk
Primary application	Longevity centres, wellness facilities, clinics, corporate health programmes and occupational screening environments
Expected service life	Approximately 5 to 8 years under normal commercial operation. Longer service life may be achievable with correct maintenance and component replacement where required.
Standard warranty	12 months
Extended warranty	Optional additional warranty cover available on request

Core Hardware

Specification	Details
Overall dimensions	1950 x 600 x 2350 mm
Net weight	148 kg
Maximum platform user weight	200 kg
Operating touch screen	18.5 inch
Customer display	21.5 inch
Optional display upgrade	32 inch
Printer	Integrated A4 printer
Power supply	AC 110 to 240 V, 50 Hz
Connectivity	RJ45 Ethernet, WiFi, cloud interface, optional 4G
Operating environment	10 to 35°C, 30 to 75% RH
Ventilation	No additional ventilation required for normal commercial indoor installation

Standard Screening Functions

Function	Measurement or assessment
Height and weight	Height, weight and BMI
Body composition	Body fat, fat mass, muscle mass, body water, protein, visceral fat, fat free body mass, bone related values and metabolic indicators
Cardiovascular	Blood pressure, heart rate and 12 lead ECG
Blood oxygen	SpO2 and pulse
Body temperature	Non contact infrared temperature
Blood analysis	Blood glucose, uric acid, haemoglobin and blood lipids
Urinalysis	Multi parameter urine analysis
Pulmonary function	PEF, FEV1 and FVC
Waist to hip ratio	Waist and hip measurement with ratio calculation
Vision	Vision and colour vision assessment
Wellbeing assessment	Selected psychological and wellbeing questionnaires depending on configuration

AI, Reporting and Software

Specification	Details
AI analysis	Built in AI analysis processes completed measurement results and generates assessment conclusions
AI environment	AI analysis operates within the Android system
Report output	Results can be displayed on screen and printed directly from the kiosk
Native software	Hardware modules are pre integrated with the manufacturer's software environment
Health assessment positioning	Results are intended for health assessment reference and should not be presented as a substitute for medical diagnosis

Optional Modules

Optional module	Details
Bone density analyser	Optional bone mineral density analysis for projects requiring additional bone health assessment
Alcohol detection system	Optional alcohol concentration testing for workplace, occupational or other specialist screening requirements
Additional options	Fast ECG and arteriosclerosis assessment may also be available depending on final configuration

API and Data Integration

Specification	Details
Open API	Full API technical documentation can be supplied for integration with proprietary software platforms
Data access	Measurement values and health results can be transferred through the API as raw measurement data
Third party integration	Technical docking, configuration and testing are required when connecting the kiosk to independently developed software
AI report export	The native AI generated assessment report is not exported as a finished report file through the API
Third party reporting	Connected platforms can generate their own dashboards, analysis and reports from the raw measurement data
Data hosting	Data can be configured to transfer directly to customer hosted infrastructure within the required country or region, supporting local data storage and processing requirements
Ongoing API costs	No recurring API access, licence, software or update fees are stated for raw data access

Installation and Support

Specification	Details
Installation	Designed for normal commercial indoor installation with no special ventilation requirement
Floor loading	No special floor loading requirement stated for standard installation
Remote support	Software related issues can normally be supported remotely
Replacement parts	For qualifying in warranty quality issues, replacement spare parts are supplied free of charge; international shipping costs for replacement parts are payable by the buyer
Warranty exclusions	Man made damage is not covered by the warranty

Technical Notes

Note	Details
Final configuration	Hardware, software modules, testing functions and accessories should be confirmed before order
Optional modules	Bone density analysis and alcohol detection are additional configurations and are not included unless specified
API output	The API provides raw measurement data. Independent dashboards, analytics and final report generation are implemented within the customer's own software platform
Further information	Please contact Redstar365.com for final configuration, software integration, optional modules and commercial details

For configuration, integration and optional module information, please contact Redstar365.com.