

HumaVision

SPECIFICATIONS

- > System Specifications
- > Scope of Supply
- > Obligatory items
- > Optional items



System Overview

REF	17660
Analyzer type	Semi-automated urine particle analyzer
Sample	Native urine 20µl
Parameter	(IUO) RBC, WBC, SEC, nSEC, HYA, nHYA, COD, STR, uNCC, BAC
Throughput range	> 8 tests/hour
Time to result	~ 7 min, depend on concentration of particals
Operation modes	Digital holographic image, IUO parameters
Software languages available	English, Spanish, French, German, Italian, Russian
User Interface	Color touch screen 320 x 240 pixel, 3.5 inch capacitive

Human

Diagnostics Worldwide

HumaVision

Semi-automated urine sediment analyzer

Analysis

Analysis time	<3 minutes reading time
Method	Digital holographic microscopy DHM
Holographic image	2024x2024 pixels, pixel size: 1.12µm
Microscopic resolution	3µm to 100µm
Results	Parameter result, flags normal /pathological
Linearity	Parameter specific
Predilution	Auto-calculation
Patient profiles	Normal ranges, customized profiles

Sample

Sample type	Native urine
Sampling volume	20 µl / test

Data processing

Memory for	Image, sample result, incl. ID, patient data, flags
Memory capacity	300 patient results
QC-module	2 level control (WBC, RBC)
Calibration	Not needed
Warnings	Abnormal results, incorrect sample carrier
Printer	PDF export via WiFi
PC	Artificial Intelligence (AI) for urine particle differentiation
LIS	LIS bi-directional
USB	USB-C (only for power)
WLAN	802.11 b/g/n Wireless LAN
Data management of samples	Display, store, filter, export
Data management of controls	Display, store
Computing capacity	1 GHz single-core CPU, 24 GFLOPS GPU, 512MB RAM
Software	HUMAN design,
Software settings	Patient profiles, warnings, interfaces



Data processing

Physical dimensions (WxDxH)	Installed: 128 x 94 x 33 mm, Box: 210 x 260 x 70mm
Weight	Net: 240 g, Brutto: 500g
Operating voltage	220VA, or internal battery
Electrical requirements	Power supply input 100-220V, 50/60Hz
	Built-in battery - Li-ion Polymer NMC Chemistry, 3.7V, 1.6Ah (5.92Wh)
Battery run time	5 hours (dependent on network configuration and many other factors, actual results will vary)
Environmental	Operating: 18-28°C, 20-90 % relative humidity non-condensing Storage: -25...50°C, <95% relative humidity non condensing

Scope of Supply

	Unit/Size	REF
HumaVision	1	17660
User manual	1	17660/1
Quick guide application	1	17660/3
Quick guides dilution	1	17660/5
Power supply (230V, plug type C)	1
USB-C power cable	1
Adapter key	1

Obligatory Items

	Unit/Size	REF
Consumables		
Urine Sample Carrier HumaVision (100 slides)	1	17661
Cleaning sticks HumaVision (96 sticks)	1	17662

Optional Items

	Unit/Size	REF
Accessories		
Power Bank - 73Wh, 20010mAh 73Wh	1	18250/70

More information

For more information about the HumaVision visit www.human.de/humavision

or scan the following QR code:



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