

SPECIFICATIONS & MORE

HumaReader Single plus

- > System Specifications
- > Scope of Supply
- > Accessories



System Overview

REF	18000
Analyzer type:	3 Strip ELISA Reader
Reagent system	Open
Troughput (Max):	3 Strips/ Run
Reaction / reading System	Strips of 96 Well plate
Operation mode	Batch
Languages available	English

Human

Diagnostics Worldwide

HumaReader Single plus

Microtiter Strip Reader

Tests	Measuring modes	EIA Photometric
	Analysis modes	Endpoint
	Calculation modes	Qualitative: cut-off Quantitative: absorbance calculation
	Calculation algorithms	Absorbance, Single point calibration by standard or factor Multi-point calibration or point-to-point curve fit, linear regression with log, linear and log-logit selection, Cut-off, uptake, cubic spline
	# of programmable tests	120
	# of programmable profiles	9
	# of standards per test	7

Reaction unit Incubation	Capacity:	Strip of 8 wells Strip of 12 wells up to 12 breakables wells
	Mixing capability:	No
	Incubation temperature:	ambient / 37°C
	Accuracy:	± 2
	Incubation time:	1- 240 minutes

Reading	Optical system	Continuous rotating filter wheel
	Readings	Single or double wavelength simultan
	Light source	Tungsten Lamp 45 seconds warm up
	Spectral range	340 - 700 nm
	Wavelength filters pre-installed	405, 450, 492, 630 nm
	Max. # of wavelength filters installed	4
	Read time (12 samples) dual wavelength	Reads, calculates and prints results for up to 12 wells in about 30 seconds
	Read time (12 samples) single wavelength	≤ 30 sec.
	Dynamic range (measurement range)	0.00 - 3.0 A
	Accuracy	± (1% of the reading + 0.01 A) from 0 to 1.5A ± (2% of the reading + 0.01 A) from 1.5 to 3.0A
	Precision	Drift of no more than 0.005A in 8 hours
	Linearity	± (1% of the reading + 0.01 A) from 0 to 1.5A ± (2% of the reading + 0.01 A) from 1.5 to 3.0A

Data Processing

Interfaces	USB mouse, USB drive
LIS/LIMS	SF capture software
User Interface	Touch screen 3.5" LCD color display
Supported Printers	Built-in Thermal, dot matrix, 29 characters per line

General

Physical dimensions (WxDxH)	Instrument without any components:	24 x 34 x 13 cm
	Space required for routine use:	25 x 40 x 25 cm
	Packaging:	48 x 35.5 x 23.5 cm
	Weight:	Gross: 4.0 kg, net: 2.3 kg
Electrical requirements	100...240 VAC, 50-60 Hz,	
Environmental:	Temperature:	
	Operating temperature:	18...35°C, humidity: < 85 % non condensing
	Storage temperature:	18...35°C, humidity: < 85 % non condensing
	Altitude:	Up to 4,000 m
	Noise level:	Below 30 dB

Scope of Supply



3 X 8 Well Boat

Cat.No. 18002P

Description	Quantity	REF
HumaReader Single plus	1	14570
Packlist		
3 x 8 Well Boat (alloy)	1	18002P
Dust Cover	1	18013
External Power Supply	1	18000/10
Power Cable EU	1	18000/11
Sparelamp	1	-----
Thermal Printer Paper	3	-----
User Manual	1	18000/1P
Stylus Pen + Chip	1	-----

Accessories



3 x 12 Well Boat

Cat.No. 18001

Description	Quantity	REF
3 x 12 Well Boat	1	18001
Thermal Printer Paper (10 rolls)	1	16801/20

