

Photometer 505

Technical Specifications	
Type	Semi-automatic, single-beam filter photometer
Light Source	LED with long life
Wavelength	340 nm - 623 nm
Wavelength Selection	Automatic via 9-position filter wheel : 6 standard interference filters: 340 nm, 405 nm, 492 nm, 546 nm, 578 nm, and 623 nm (all +/- 4 nm); 3 positions for optional filters of choice
Photometric Range	0 - 3.0 A
Cuvette System	Micro flow cell: 32 µl, 10 mm light path inter changeable with normal standard cuvettes (macro or semi-micro, disposable or special optical glass)
Temperature Control	Advance peltier system to maintain consistant temperature at 37 °C
Aspiration System	Peristaltic pump driven by stepper motor, programmable aspiration volume
Sipping Volume	• Minimum 250 µl, typically 500 µl up to 2000 • Separate setting of aspirate volume and wash volume
Operator Interface	Touchscreen for direct functions and alphanumeric inputs
Integrated Printer	Thermal printer, 24 characters per line
Languages	English and optional (French/ German/ Indonesian/ Russian/ Spanish/ Polish)
Data Logging	Up to 1000 results can be saved in the memory automatically
Measurement Procedures	• Absorbance • End point with factor, standard or multiple standards, with or without reagent blank and/or sample blank
Quality Control	Up to 50 methods can be controlled with two control serums, Levey Jennings plot
Measuring Time	• Kinetic:variable from 3 - 19 deltas, time per delta 3 - 255 s • Fixed time:variable from 0 - 1800 s
Delay Time	Programmable from 0 - 1800 s
Dimensions	Length 29 cm x width 20 cm x height 12 cm
Weight	2.4 kg

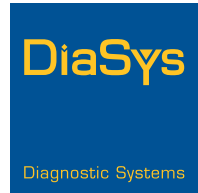
Photometer 505

Excellence Assured

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MADE FOR INDIA
With LED!



Exclusively Marketed By:



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Diagnostics India Private Limited
Plot No. A -821, TTC, MIDC, Mahape,
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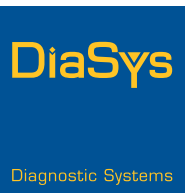
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Jan 2020

- Superior German Hellma Flow Cell
- LED with long life
- High quality optics



CHOOSING QUALITY.

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Photometer 505

- High Quality Superior German Hellma Flow cell
- Mastery of light control Precisely control light
- Opens up new dimensions in research
- Hellma Optics helps you to achieve high precision

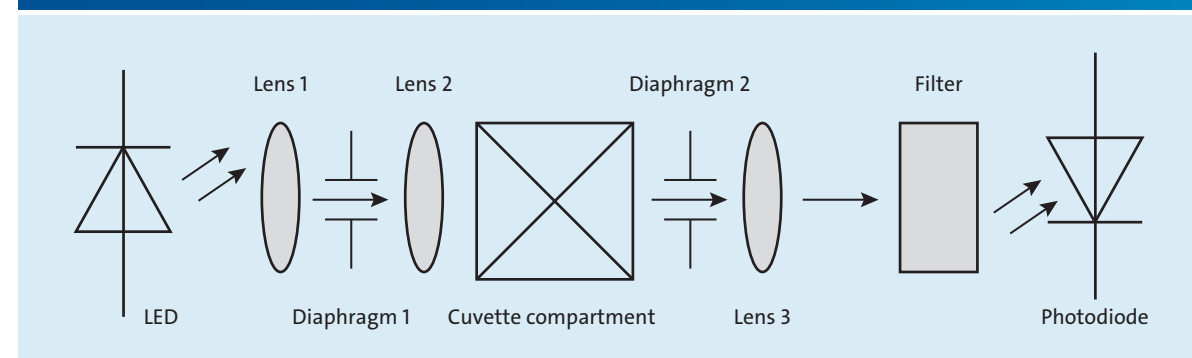


LED

- Least power consumption
- Very long use life
- Cooler than halogen lamp



High Quality Optical System



- 3 lenses and 2 Diaphragms
- Photometric absorbance range 0.00A to 3.0A
- Band width $\pm 2\text{nm}$

Touch Screen

- Touch screen for direct programming and for alpha numeric inputs
- User friendly teach-in mode.

Peristaltic Pump

- Stainless steel peristaltic pump.
- Driven by Stepper Motor
- Pump calibration mode to ensure correct aspiration.
- Pump mounted vertically to prevent penetration of liquid to the electronic parts.

Pre-Programmed

- Up to 250 assays can be programmed

Quality Control

- Daily QC and Monthly QC
- 50 methods can be monitored
- Two control seras each method

Remote Control

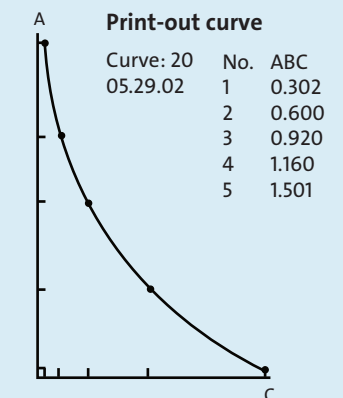
- When activated, Photometer 505 can be remote controlled by a PC and a suitable program

Parameter Window

- End point / kinetics / fixed time with factor standard or multiple standards with or without reagent blank and/or sample blank
- Single, double and triple determinations
- Curve fitting for non-linear standard curves
- Turbidimetry

Multi Standard Tests

- Facility to perform non linear multi-standard chemistries
- Edit Curve - After inquiry of the curve number all curve bases can be edited
- Print Curve - After inquiry of the curve number print-out on the internal printer
- List of Act Curves - The method number and the date of preparation of all current curves shown.



Instrument Status Monitor

