

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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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

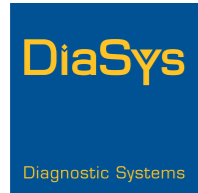
Photometer 505

Excellence Assured

MADE IN GERMANY
MADE FOR INDIA
With LED!



Exclusively Marketed By:



CHOOSING QUALITY.

DiaSys
Diagnostics India Private Limited
Plot No. A -821, TTC, MIDC, Mahape,
Navi-Mumbai, 400710,
Maharashtra, India.

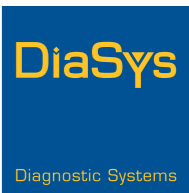
Toll free: 1800 120 1447
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PT/19/027
Jan 2020

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



CHOOSING QUALITY.

Photometer 505

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

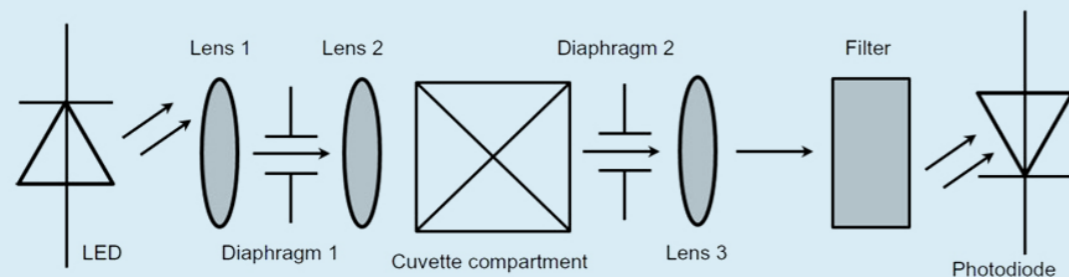


LED

- 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

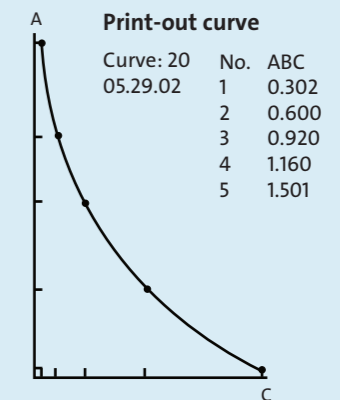
- When activated, Photometer 505 can be remote controlled by a PC and a suitable program

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

