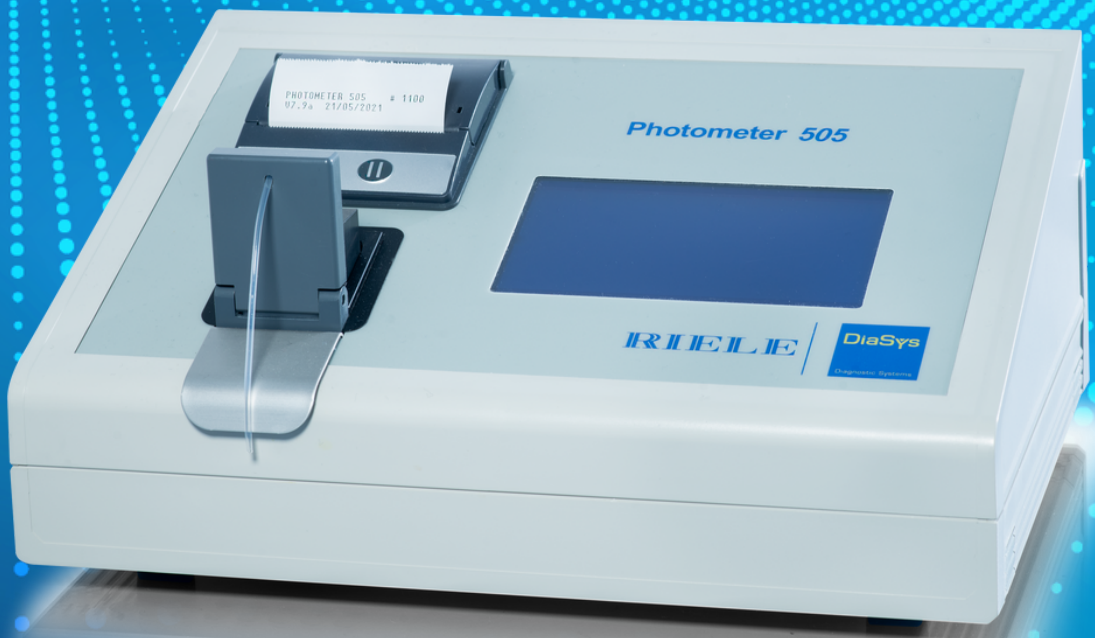
Photometer 505
DiaSys reagents

Symbiosis of quality - Made in Germany



High quality photometric system
meets excellent and reliable reagents.

RIELE

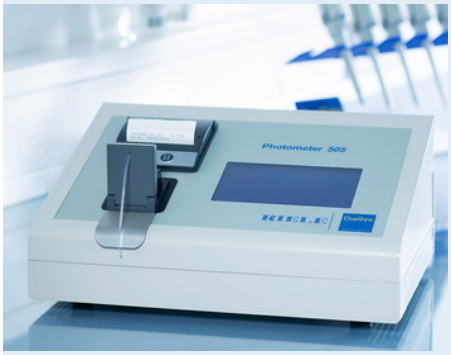
DiaSys
Diagnostic Systems

CHOOSING QUALITY.

Flow cell

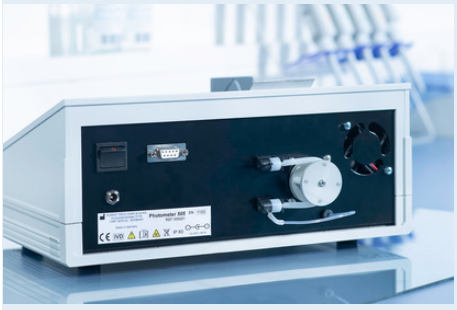
- Superior flowcell with 32 µL volume for low reagent consumption
- High precision thanks to efficient design and high quality components made in Germany
- LED for low power consumption and long lifetime
- Facility to perform non-linear multi-standard chemistries
- Flexibility due to manual measurement with 1 cm standard cuvette

User interface



- Touch screen for direct programming and for alpha numeric inputs
- User friendly teach-in mode
- Up to 231 assays can be programmed
- Memory for 50 non-linear calibration curves
- Integrated thermal printer
- 15 different calculation modes
- 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

Fluidic system



- Stainless steel peristaltic pump driven by stepper motor
- Pump calibration mode to ensure correct aspiration
- Remote control by a PC and a suitable program (RS-232 connection)

DiaSys reagents

- Preprogrammed applications for DiaSys reagents
- Well known high quality reagents with good freedom of interferences
- Fluid stable reagents with long shelf life and open vial stability after first use
- Reliable results with a harmonized system of DiaSys calibrators and controls

Preprogrammed application list

ALAT (GPT) FS	Creatinine FS
Albumin FS	Gamma GT FS (Szasz mod)
Alkaline phosphatase FS (IFCC mod)	Glucose GOD FS
α-Amylase CC FS	Glucose Hexokinase FS
ASAT (GOT) FS	HDL-c direct FS
Bicarbonate FS	LDL-c direct FS
Bilirubin Auto Direct FS	Magnesium XL FS
Bilirubin Auto Total FS	Phosphate FS
Calcium AS FS	Total Protein FS
Cholesterol FS	Triglycerides FS
CK-MB FS	UREA FS
CK-NAC FS (IFCC)	Uric acid FS (TBHBA)

Benefits

- High quality superior flow cell
- LED with long lifetime and low power consumption
- Well known DiaSys reagent quality
- Robust and compact design
- Non-linear multi standard chemistry

Technical specifications

Type	Semi-automatic, single beam filter photometer
Light source	LED
Wavelengths	340 nm – 660 nm
Wavelength selection	Automatic via 9 position filter wheel: 6 standard interference filters: 340 nm, 405 nm, 500 nm, 546 nm, 578 nm and 660 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 Optional replaceable with normal standard cuvettes (macro or semi-micro, disposable or special optical glass)
Temperature control	Advanced peltier system to maintain constant temperature at 37 °C (+/- 0.2 °C)
Aspiration system	Peristaltic pump driven by stepper motor, programmable aspiration volume from 250 µL up to 2000 µL
Operator interface	Touchscreen
Data output	• Thermal printer, 24 characters per line • Serial RS-232 port for data export
Languages	English, French, German, Indonesian, Russian, Spanish, Polish
Data memory	Up to 1000 results
Measurement	• 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 timer	• Kinetic: variable from 3-19 deltas, time per delta 3 s – 255 s • Fixed time: variable from 0 s - 1800 s
Delay time	Programmable from 0 s – 1800 s
Dimensions	29 cm (W) x 20 cm (D) x 12 cm (H)
Weight	2.4 kg

DiaSys
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CHOOSING QUALITY.

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