



RIEELIE

Photometer 5010 V5+



▶ **Semi-automated photometric system**

▶ **Effective temperature regulation system**

▶ **Flexible cuvette concept, interchangeable flow-through or standard cuvette**

▶ **Reagent-open system with high capacity for programmable methods**

▶ **Teach-in capability for reagent applications via touchscreen**

▶ **Minimum sipping volume 250 μ l**

▶ **Double-secured liquid control with infrared bubble detector**

▶ **Future-proof operating system can easily be upgraded**

Photometer 5010_{V5+}

Technical Specifications

Type	Semi-automatic, single-beam filter photometer
Light Source	Halogen lamp - 12 V, 20 W with protection for lifetime
Wavelength	340 nm - 800 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; 3 positions for optional filters of choice
Photometric Range	0 - 2.5 A
Cuvette System	Micro flow cell: 32 µl, 10 mm light path interchangeable with normal standard cuvettes (macro or semi-micro, disposable or special optical glass)
Temperature Control	<ul style="list-style-type: none">Internal Peltier element, temperature variable, pre-adjusted to 25 °C, 30 °C and 37 °CEquilibration time for aspirated reaction mixture to reach 37 °C from ambient temperature: 15 s
Aspiration System	Built-in peristaltic pump driven by stepper motor, programmable aspiration volume controlled by infrared light barrier
Sipping Volume	<ul style="list-style-type: none">Minimum 250 µl, typically 500 µl up to 2000 µlSeparate setting of aspirate volume and wash volume
Operator Interface	Touchscreen for direct functions and alphanumeric inputs
Data Presentation	Graphic display: white characters or symbols, blue background, lighted, resolution 240*128 dots
Integrated Printer	Dot-matrix printer, 24 characters per line
Languages	English and French/German/Indonesian/Russian/Spanish
Memory	<ul style="list-style-type: none">General operating software can be updated by PCReagent open system with capacity for up to 231 programmable methodsImport of data by touchscreen or PCUp to 50 non-linear calibration curves with max 20 sets of points can be stored
Data Logging	Up to 1000 results can be saved in the memory automatically
Signal Port	Serial port for connection to an external printer and/or PC
Measurement Procedures	<ul style="list-style-type: none">AbsorbanceEnd point with factor, standard or multiple standards, with or without reagent blank and/or sample blankBichromatic end pointKinetics with standard, factor or multiple standards, with or without blankFixed time with factor, standard or multiple standards, with or without reagent blankTurbidimetry with optional timer functionSingle, double and triple determinationsCurve fitting for non-linear standard curvesFree hemoglobin in combination with optional interference filters
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 - 25 deltas, time per delta 4 - 255 sFixed time: variable from 0 - 65535 s
Delay Time	Programmable from 0 - 65535 s
Mains Supply	Range: 100 V _{AC} up to 240 V _{AC} at 50/60 Hz
Dimensions	Length 33 cm x width 34 cm x height 18 cm
Weight	5,3 kg
Marking	 