RIELE

MEZOS

Photometer *5010*

- Semi-automated photometric system
- End Point, Fixed Time and Kinetic determinations
- Effective temperature regulation system
- Flexible cuvette concept
- High capacity for pre-programmed methods and for user programmed methods
- Update of general operating software and methods by PC (Internet, floppy disk or CD ROM)

Photometer 5010

Technical Specifications

Type	*Semi-automatic, single-beam filter photometer*
Light Source	*Halogen lamp - 12 V, 20 W*
Wavelength	*340 nm - 800 nm*
Wavelength Selection	*Automatic via 8-position filter wheel :* *5 standard interference filters: 340 nm, 405 nm, 492 nm, 546 nm, 578 nm* *3 positions for optional filter of choice*
Photometric Range	*0 - 2.5 A*
Cuvette System	*Microflow cell: 32 µl, 10 mm light path interchangeable with normal standard cuvettes (makro or semi-micro, disposable or special optical glass)*
Temperature Control	*Internal Peltier element, temperature variable, pre-adjusted to 25 °C, 30 °C and 37 °C* *Equilibration time for aspirated reaction mixture to reach 37 °C from ambient temperature: 15 sec*
Aspiration System	*Built-in peristaltic pump driven by stepper motor, programmable aspiration volume controlled by infrared light barrier*
Sipping Volume	*Minimum 250 µl*
Operator Interface	*Membrane keyboard with 20 keys for direct functions and numeric entries*
Data Presentation	*LCD display: lighted, 2 lines of 16 characters each, easy to read and offering simple user guidance*
Integrated Printer	*Dot-matrix printer, 24 characters per line*
Memory	*General operating software contained in FLASH MEMORY can be updated by PC (data file downloaded from Internet, floppy disk or CD ROM)* *Languages: English and German* *Capacity for 250 pre-programmed tests* *Up to 230 tests can be stored in RAM. Import of data by keyboard or PC* *Up to 50 non-linear calibration curves with max 20 sets of points can be stored*
Signal Port	*1 serial and 1 parallel port for connection to an external printer and/or PC*
Measurement Procedures	▪ *Absorbance* ▪ *Endpoints with factor, standard or multiple standards, with or without reagent blank and/or sample blank* ▪ *Kinetics with standard, factor or multiple standards, with or without blank* ▪ *Fixed time with standard, factor or multiple standards, with or without reagent blank* ▪ *Curve fitting for non-linear standard curves*
Measuring Time	▪ *Kinetic: variable from 3 - 28 deltas, time per delta 4 - 255 sec in 1 sec steps* ▪ *Fixed time: variable from 0 - 65535 sec in 1 sec steps*
Delay Time	*Programmable from 0 - 65535 sec in 1 sec steps*
Dimensions	*Length 33 cm x width 34 cm x height 18 cm*
Weight	*8.5 kg*

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