



# RIEHL

## Photometer 680

- Singlebeam-Spectralline-Filterphotometer for 340 - 900 nm
- Photometric system for standard cuvettes with measuring volume 500  $\mu$ l
- Reagent-open system with high capacity for programmable methods
- Teach-in capability for reagent applications via touchscreen
- Optional with external printer or EDP
- Future-proof operating system can easily be upgraded



**RIELE**

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# Photometer 680

**Type**

Single-beam filter photometer

**Light Source**

Tungsten spotlight:

REF 680001 (standard cuvette)

REF 680002 (standard & round cuvette)

LED, extremely bright white:

REF 680003 (standard cuvette)

**Wavelength**

Tungsten spotlight: 340 nm - 900 nm

LED: 436 nm - 690 nm

**Wavelength Selection**

Interference filters in discrete holders

**Photometric Range**

0 - 2.5 A

**Cuvette System**

Normal standard cuvette (macro or semi-micro, disposable or special optical glass)  
optional: round cuvette (16 mm diameter)

**Operator Interface**

Touchscreen for direct functions and alphanumeric inputs

**Data Presentation**

Graphic display: white characters or symbols, blue background, lighted, resolution 240 x 128 dots

**Languages**

English and French/ German/ Indonesian/ Russian/ Spanish

**Memory**

- General operating software can be updated by PC

- Reagent-open system with capacity for up to 231 programmable methods
- Data import by touchscreen or PC
- Up to 50 nonlinear calibration curves with max 20 sets of points can be stored

**Signal Port**

Serial port for connection to an external printer and/or PC

**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
- Turbidimetry with optional timer function
- Single, double and triple determinations
- Curve fitting for nonlinear standard curves

**Quality Control**

Up to 50 methods can be controlled with two control serums, Levey Jennings plot

**Mains Supply**

Input: 100 VAC up to 240 VAC at 50/60 Hz, output: 12 VDC / 1 ADC

**Dimensions**

Length 22 cm x width 23 cm x height 8 cm

**Weight**

1.1 Kg

**Marking**