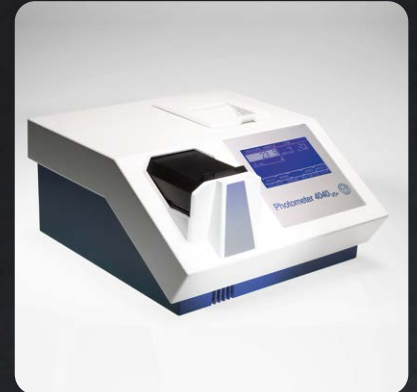


## Photometer 4040 V5+

Manual photometric system for standard cuvettes



- With long lifetime LED technology
- Continuous operation with power bank
- Temperature controlled measuring cell and dry incubation block with 6 positions
- Reagent-open system with high capacity for programmable methods
- Teach-in capability for reagent applications via touchscreen
- Bar code reader system for an easy handling of patient data
- Minimum measuring volume 500  $\mu$ l, reducible to 250  $\mu$ l
- Future-proof operating system can easily be upgraded



IVD



MADE IN GERMANY

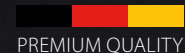


PREMIUM QUALITY

# Photometer 4040 V5+

Manual photometric system for standard cuvettes

MADE IN GERMANY



## Type

Single-beam filter photometer

## Light Source

LED with long lifetime

## Wavelength

340 nm and 390 nm - 730 nm

## Wavelength Selection

Automatic via 9-position filter wheel : 6 standard interference filters (HBW  $\leq 7$  nm): 340 nm, 405 nm, 492 nm, 546 nm, 578 nm, and 623 nm; 3 positions for optional filters of choice

## Photometric Range

0 - 3.0 A

## Cuvette System

Normal standard cuvettes (macro or semi-micro, disposable or special optical glass)

## Temperature Control

Measuring cell as well as dry incubation block with 6 positions temperature controlled by electrical thermostat at 37 °C

## 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

## Integrated Printer

Thermal printer, 24 characters per line

## Languages

English and German/ Indonesian/ Russian/Spanish/ French  
Other languages on request

## 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
- for connection of a bar code reader

## 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
- Bichromatic end point
- Kinetics with factor, standard or multiple standards, with or without blank
- Fixed time with factor, standard or multiple standards, with or without reagent blank
- Turbidimetry with optional timer function
- Single, double and triple determinations
- Curve fitting for nonlinear standard curves
- Free 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

- 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

## Mains Supply

- Input voltage: 12 VDC
- Universal Power Supply  
Range: 100 VAC up to 240 VAC at 50/60 Hz
- optional:
- Power bank
  - Solar Panel
  - Vehicle Power Supply

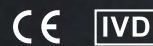
## Dimensions

Length 33 cm x width 34 cm x height 18 cm

## Weight

4.6 kg

## Marking



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