Optical and quartz glass Cuvettes:

Code	Description	
BOE 104010	BOECO economic Macro cell, Optical glass, 340-2500 nm 10 mm ligth path, PTFE lid, Volume 3,5 ml	2 pcs. / pack
BOE 204010	BOECO economic Macro cell, Quartz glass, 190-2500 nm 10 mm ligth path, PTFE lid, Volume 3,5 ml	2 pcs. / pack

BOE 104010

BOECO CLINICAL PHOTOMETER MODEL PM-51

- » 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 application via touchscreen
- » Minimum sipping volume 250 µl
- » Double-secured liquid control with infrared bubble detector
- » Future-proof operation, can easily be upgraded

BOE PM-51

Specification:

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, 623 nm, 3 positions for optional filter of choice
Photometric Range:	0 - 2.5 Bel
Cuvette System:	Microflow cell: 32 µl, 10 mm light path interchangeable with normal standard cuvettes (macro 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, typically 500 µl up to 2000 µl Separate 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 x 126 dots.
Integrated Printer:	Thermal printer, 24 characters per line
Languages:	English, German, Spanish, French, Russian and Indonesian
Memory:	General operating software can be updated by PC Reagent open system with capacity for up to 231 programmable methods Import of data by touchscreen or PC Up 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 memory automatically
Signal Port:	1 serial port for connection to an external printer or PC (bidirectional interface)
Measurement Procedures:	» Absorbance » Endpoint with standard, factor or multiple standards, with or without reagent blank and/or sample blank » Bichromatic end point » Kinetics with standard, factor or multiple standards, with or without blank » Fixed time with standard, factor or multiple standards, with or without reagent blank » Turbidimetry with optional timer function » Single, double and triple determinations » Curve fitting for non-linear standard curves » Free hemoglobin in combination with optional interference filters
Measuring Time:	» Kinetic: variable from 3 - 19 deltas, time per delta 4 - 255 sec. » Fixed time: variable from 0 - 65535 sec.
Delay Time:	Programmable from 0 - 65535 sec.
Mains Supply:	Range 100 VAC up to 240 VAC at 50/60 Hz
Dimensions:	Length 33 cm x Width 34 cm x Height 18 cm
Weight:	5,3 kg

Code	Description
BOE PM-51	BOECO photometer PM-51, with integrated printer, flow-through cell, standard cuvette adapter and filter wheel (340-405-492-546-578-623 nm), 90-264 V, 50/60 Hz