

MiniHEM

**Portable
Hemoglobin
Analyzer**

*With
Auto calibration*



ANALYZER SPECIFICATION	ANALYZER MiniHEM 540	ANALYZER MiniHEM 523
MEASURED PARAMETERS		
Hemoglobin Unit Range Photometrical repeatability Method of measurement Photometrical accuracy	Total blood hemoglobin concentration ctHb g/l 0-360 g/l ± 0,5% (Cv) Photometry of hemiglobincyanid form solution at wavelength 540 nm +1%	Total blood hemoglobin concentration ctHb g/l 0-360 g/l ± 0,5% (Cv) Photometry of the mixture of blood with weak ammonia solution at isobestic wavelength 523 nm +1%
OPERATING PARAMETERS		
Blood volume Sample type Preparation time of solution Operating temperature Storage temperature Relative humidity Wavelength Bandwidth Light source Photometry cuvette Blood solution volume (minimum)	From 5 µl Arterial or venous whole blood 20 minutes 15-35 °C 5-50 °C Up to 90% (non condensing) 540 nm 10 nm Blow Green light diode 10 mm x 10 mm x 45 mm 1 ml	From 10µl Arterial or venous whole blood < 2 seconds 15-35 °C 5-50 °C Up to 90% (non condensing) 523 nm 10 nm Blow Green light diode 10 mm x 10 mm x 45 mm 1 ml
DIMENSIONS and WEIGHT		
Width x Depth x Height Weight	178 x 128 x 43 mm 300 g without batteries	178 x 128 x 43 mm 300 g without batteries
ELECTRICAL REQUIREMENTS		
Batteries Operating time with batteries Power supply adapter (alternative)	3x1,5V Size AA Up to 4 years without replacement 50 Hz 220V AC / 5V DC 30 mA	3x1,5V Size AA Up to 4 years without replacement 50 Hz 220V AC / 5V DC 30 mA
QUALITY CONTROL		
Auto calibration Checker Calibration and control solutions	Yes Solid state glass filter Not necessary	Yes Solid state glass filter Not necessary

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