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ISO 9001:2015  
QUALITY MANAGEMENT SYSTEM

ISO 13485:2016  
MEDICAL DEVICE QUALITY MANAGEMENT

# Dr. Protech - H+

Haemoglobin Analyzer

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## Haemoglobin Analyzer

Promea's Dr. Protech H+ Hemoglobin Analyzer is an in vitro diagnostic device that is used for quantitative testing of total hemoglobin in the blood. It is versatile among the most precise and affordable hemoglobin analyzers. Promea's Protech H+ is an instrument used to determine the hemoglobin content of the blood by absorbance spectroscopy. Protech H+ is useful in emergencies due to its accuracy, ease-of-use, accuracy, and fast delivery of results.

### Technical Specifications

Item	Description
Principle	Absorbance Spectrophotometry
Test Time	Less than 3 seconds
Automatic Shut Off	Available
Meter Size	150 mm × 80 mm × 35 mm
Weight	<250 g
Analyzer Storage Conditions	0 - 50 °C (32 - 122 °F)
Operating Conditions	2 - 40 °C (35.6 - 104 °F)
Working Humidity	5 - 95% RH
Analyzer Port	USB for Data Transfer
Capabilities	USB Data Transfer to PC and Printer
Cuvette (Working Environment)	Working Temperature 0 - 50 °C and Humidity 5 - 95%
Cuvette (Storage Environment)	Storage Temperature 2 - 50 °C and Humidity 5 - 95%
Cuvette Shelf Life	24 Months
Auto Calibration	Self Calibration
Sensitivity	More than 80%
Specificity	More than 80%
Bias (Limits of Agreement)	0.5 g/dL (±1gm/dL)
Accuracy	37 °C ± 0.2 °C
Reproducibility	98%
Measurement Range	CV : < 3%
Sample	Whole blood (Capillary, Venous, Arterial)
Sample Volume	<10 µL
Power Source	3 AAA Rechargeable Batteries (1.5V), AC Adapter (Mini USB, 5V DC, 1A)
Battery Life	100 hours or 1000 tests
Units of Measure	g/dL, g/L, mmol/L
Memory	1500 records with date and time
Protection Class	A