

HemoPoint® H2

Frequently asked questions



Measurement

- Q: What does HemoPoint® H2 measure?**
A: The HemoPoint® H2 measures total hemoglobin.
- Q: How long is the typical measuring time?**
A: The analyzer will give results in 30 - 60 seconds. The typical measuring time you can expect is about 30 seconds.
- Q: What measuring method is used?**
A: The azide methemoglobin method is used.
- Q: What is the reference method?**
A: The HemoPoint® H2 analyzer is calibrated against the cyanmethemoglobin reference method, known as NCCLS (now CLSI) reference method and yields results comparable with ICSH standards.
- Q: What is the measuring range of the instrument?**
A: From 0 - 256 g/L; 0 - 25.6 g/dL; 0 - 15.9 mmol/L
- Q: What is the conversion factor for calculating the hematocrit value?**
A: Hb in g/dL x 2.94 (% in hematocrit)
- Q: What are the factors for conversion into the various Hb units?**
A: Conversion:
- g/L in mmol/L: 1 g/L = 0.062 mmol/L
 - mmol/L in g/L: 1 mmol/L = 16.129 g/L
- Q: Why is the hematocrit value not shown on the display?**
A: The display must be set up to show the hematocrit result. If this has been done but the hematocrit still does not appear, the value is out of normal range for hemoglobin (120 - 180 g/L or 7.44 - 11.16 mmol/L).
- Q: What is the accuracy of the HemoPoint® H2 Analyzer?**
A: The analyzer is accurate to +/- 0.3 g/dL at about 14.0 g/dL.
- Q: What is the CV of HemoPoint® H2? How big are the typical fluctuations of measured values?**
A: HemoPoint® H2 guarantees a CV of <1.5%. During evaluation the values shown in table 1.0 were determined.

Table 1.0

Hemoglobin/high (15.7 g/dL) Total precision (EP5-A)	S _T 0.174 g/dL, CV 1.2 %
Hemoglobin/normal (11.8 g/dL) Total precision (EP5-A)	S _T 0.162 g/dL, CV 1.4 %
Hemoglobin/low (8.0 g/dL) Total precision (EP5-A)	S _T 0.122 g/dL, CV 1.5 %

Data export and data management

- Q: Is there a Data Management version of HemoPoint® H2?**
A: The HemoPoint® H2 DMS allows the installation of data management functions on the device. The configuration can be done using the InterLink™ PC software (full version required). The export of results with time, date and linked data entries to the PC is handled by the InterLink™ software.
- Q: How can HemoPoint® H2 and HemoPoint® H2 DMS be connected to a PC?**
A: The HemoPoint® H2 and HemoPoint® H2 DMS can be connected to a PC using serial (Sub-D 9 pin) or USB cables which need to be ordered separately. On HemoPoint® H2 DMS an integrated Bluetooth interface is available, too.
- Q: What data management functions are available?**
A: Barcode identification of patients, access control and identification of operators, recognition of cuvette LOT and control materials, definition of Quality Control scheme and QC lockout function, addition of comments to test results, flagging of rejected values and range violations. Barcodes are conveniently read into the device using an ergonomic hand-held scanner.

