

## Technical Specifications

|   |   |
|---|---|
| Working Principle                               | Photometric detection method  |
| Measurement range                               | 0-25.60g/dL   |
| Test Items                                      | Hemoglobin, HCT (calculated value)  |
| Specimen type                                   | Peripheral blood or venous blood  |
| Specimen volume                                 | ≤10μL   |
| Test time                                       | ≤5s   |
| Accuracy or comparability                       | ≤±3%  |
| Repeatability                                   | Within range 3.0~25g/dL, CV≤1.5%  |
| Blank counting                                  | Total amount of Hb≤0.1g/dL  |
| Data storage                                    | 2000 results can be stored  |
| Display screen                                  | 3.5" TFT  |
| Power supply                                    | Built in DC 5V 1A/Li-iron battery 3.7V                                    |
| Size  | 130 mm x 83 mm x 32 mm  |
| Weight  | < 500 gms (Battery included)  |
| Calibration                                     | Smart Auto calibrated, free from Manual calibration or insertion of chips |
| Connectivity                                    | USB, Printer , WiFi*,BT*  |
| Material  | ABS+PC material is hard, wear resistant and antibacterial                 |
| Operating environment                           | Temperature: 5°C~35°C;<br>Relative humidity: ≤85%RH                       |
| Operating atmospheric pressure                  | 70kPa~110kPa  |
| Storage and transportation environment          | Temperature: -20°C~60°C;<br>Relative humidity: 10%~90%                    |
| Storage and transportation atmospheric pressure | 50kPa~110kPa  |

\*Under development



ADL/BR/HBX/R01-06/22 Company reserves the right to change any design and technical features of the product at any time, if needed.

ISO 9001:2015  
EN ISO 13485:2016 

 Toll Free No: 1800 425 7151

**AGAPPE DIAGNOSTICS LTD.**

**MISPA HbX**  
Portable Hemoglobin Analyzer

**A PERFECT ANSWER TO ALL COMPLEXITIES**

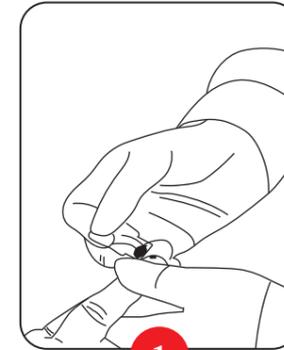
Capillary Samples and Venous samples

Intelligent Self Calibration Sensor System

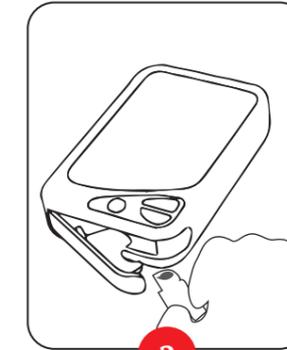
User-friendly Data management

Mispa HbX helps in accurate and easy measurement of Hb using a palm size device with accuracy and easy operating procedures.

**THREE STEP PROCEDURE**



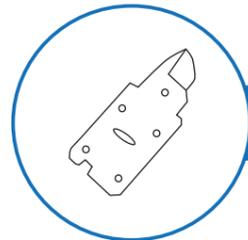
1  
Fill the cuvette by placing the tip of the cuvette in the drop of blood



2  
Place the filled cuvette in the cuvette holder and push it back

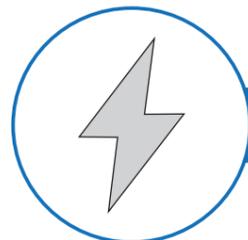


3  
Results appear in less than three seconds



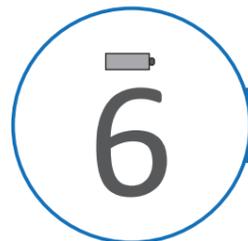
**MICROFLUIDIC CHIP**

Quick Measurement  
High Precision  
Apt for any climate  
Better Shelf Life



**3 SECONDS**

Fast and Accurate  
No more delay  
Chip based Process



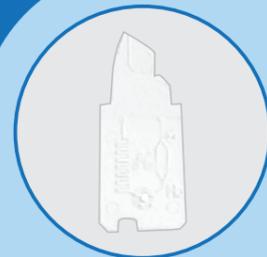
**6 HOURS**

Fast Charging  
Long hour backup  
Durable battery



**2000 TEST RESULTS**

Easy retrieval of data



**MICROFLUIDIC CHIP**  
for accurate results



SUPPORT EXTERNAL THERMAL PRINTER AND MOBILE APP

**RESULT INTERPRETATION**

System date and time: 2019-05-07 09:23:06  
 Specimen ID: NO.0006  
 Measure Time: 2019-05-07 09:23:06  
 Current result: Hb 13.6 g/dL, HCT: 35%  
 Health Tips: Hb is normal, it's recommended to exercise regularly and stay healthy.  
 Reference range: Male: 13.0-17.5 g/dL, Female: 11.0-15.0 g/dL, Child: 11.0-15.0 g/dL, Infant: 15.0-22.0 g/dL  
 The record map of last 20 results and reference range: High result indication, Normal result indication, Low result indication

**SUPPORTING HEALTHCARE PROFESSIONALS WITH FASTER DIAGNOSTICS**