



COUNCELL™

PENTA 2.0

KEY FEATURES

- 5 Part WBC differential Cell Counter.
- 3 - reagent system.
- 10.4 inch TFT touch screen.
- Minimum sample volume of 20µL.
- Internal memory to store 600,000 test results.

TECHNICAL SPECIFICATIONS

Principle	Flow Cytometry + Triangle laser scatter method for WBC and it's Differential counting. Electrical impedance method for RBC/PLT and Cyanide Free Colorimetric method for HGB.
Reportable Parameters	29 Parameters – WBC, LYM%, MON%, NEU%, BAS%, EOS%, LYM#, MON#, NEU#, EOS#, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC, LIC%, LIC#, ALY%, ALY#. 4-Scattergrams 2-Histograms for RBC and PLT Alarm for abnormal erythrocytes, leukocytes and platelet.
Throughput	60 samples/hour.
Sample Volume	20µL.
Power Requirement	100v-240 VAC ; 50/60Hz.
Calibration	Both Automatic and Manual Calibration mode.
Quality Control	2 QC Method; L-J and X-B QC with appropriate QC charts.
Data Storage Capacity	Internal Memory can store 600,000 test values with parameters, Scattergram, Histograms and Patient information.
Communication	Four USB ports and Bi-directional LIS Connection.
Operating Environment	Temperature: 10°C – 30°C, Relative Humidity: 30% - 85%.
Dimensions	430 mm(L) X 350 mm(W) X 450 mm(H)
Weight	28Kg

LIST OF STANDARD ACCESSORIES SUPPLIED ALONG WITH THE INSTRUMENT

Sr. No.	Components	Quantity	Sr. No.	Components	Quantity
1	Operational Manual	1	6	3 Pin Top	1
2	Mouse	1	7	Ground Wire	1
3	Power Cord	1	8	Diluent Container Cap Attachment	1
4	Waste Container	1	9	Paper Rolls	2
5	Waste Tubing	1	10	Allen Wrench	1