MDC 4000

The fully automated 21-Parameter-Haematology Analyser (Cellcounter)
Determination of the Parameters RBC,PLT,MPV,HCT,MCV,WBC,HGB,MCH,MCHC,PLT (PRP),PCT, RDW-SD, RDW-CV,PDW,RCDW,LCDW,LYM#,LYM%,MID#, MID%, GRAN#,GRAN%, + 3 Histograms
Capacity: ca. 50 analyses per hour
....With memory for 250 patient data and quality control program

TECHNICAL DATA / FEATURES

Methods
Electronic, impedance principle (change of electrical resistance), colorimetric haemoglobin determination by built-in photometer

Counting time
RBC-channel ~11 seconds
WBC-channel ~8 seconds

Analysing time including printout
60 seconds

Volume control unit
Liquid manometer with electronic detectors

Transducers
RBC/PLT: 80 µm WBC: 100 µm

Display
Big sized LCD, histograms of RBC, WBC, PLT
Memory for250 patient data, and statistics / quality control

Measurement Value Processing:
Microprocessor

Self diagnostic package
All inside tubes are controlled
Displays malfunctions and suggests solutions

Sample Volume
20 µl whole blood or 20 µl capillary blood

Very low reagent consumption of
Isotonic Diluent: 24 ml per sample including rinsing
Haemolysing reagent: 0,7 ml per sample

Calibration
Keyboard calibration, with new 3-point-calibration for low, normal and high level controls

Additional features
- Built-in Dispenser
- Programmable auto-clean
- Sample cleaner
- New **WINDOWS**® based PATIENT MANAGEMENT SOFTWARE

now with new high quality maintenance free valves

CV-values

RBC :	< 1,5 percent
WBC:	< 2,0 percent
HB:	< 1,0 percent
PLT:	< 6,0 percent
PLT (PRP):	< 3,0 percent

CV-values Diluter

Diluter:	< 3,0 percent

Dimensions

width:	490 mm
depth:	335 mm
height:	350 mm

Weight
28 kg

Very low power consumption
max 40 W
System is working without compressor, and no pump is running permanently (no noise !)

Voltage (standard)
110 / 220 V, 50 Hz, alternatively 60 Hz (on special request)

Interfaces
1 serial port (RS 232) for printer or computer
1parallel port for printer

Accessories

MEDI-MIX	Mixer for 60 samples of whole blood
LEUKODIFF LCR 12	WBC-differentiation-counter

Consumables

MEDILUID III Diff	isotonic diluent
MEDLYSE III Diff	haemolysing reagent
MEDI-CLEAN	enzymatic cleaner

NO PINCH-VALVES !!!

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