MDC 2000

The semi-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%,GRAN#,GRAN%, + 3 Histograms
Capacity: 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 hemoglobin determination by built-in photometer

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

Volume unit
Liquid manometer with electronic detectors

Transducers
RBC/PLT: 80 µm WBC: 100 µm

Display
Big sized LCD, histograms of RBC, WBC, PLT
Memory for 250 patient data
Statistics and quality control

Measurement Value Processing
Microprocessor

Self diagnostic package
Displays malfunctions and suggests solutions

Sample Volume
20 µl

Very low reagent consumption of

Isotonic diluent:	18 ml per sample
Haemolysing reagent:	40 µl per sample

Calibration
Keyboard calibration

CV-values

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

NO PINCH-VALVES !!!

Dimensions

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

Weight
28 kg

Power consumption
max 40 W
System is working without compressor and no pump is running permanently (no noise !)

Voltage (standard)
110 / 220 V, 50 / 60 Hz

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

now with new high quality maintenance free valves

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