

H18LIGHT

TECHNICAL SPECIFICATIONS

H18 LIGHT: REFERENCE A0201

PARAMETERS

WBC, RBC, HGB, PLT, MCV, MPV measured;
Lym#, Mid#, Gran#, HCT, MCH, MCHC, PCT% calculated;
Lym%, Mid%, Gran%, RDW-SD, RDW-CV, PDW%, P-LCR%
given by histograms.

PRINCIPLES

Impedance technology for blood cell counting and cyanide-free optical detection for hemoglobin.

PERFORMANCE

Parameter	Linearity Range	Precision (CV%)
WBC (10 ⁹ /L)	0-99.99	2.5% @ 5-10
RBC (10 ¹² /L)	0-9.99	2.0% @ 4-6
HGB (g/L)	0-300	2.0% @ 50-200
MCV (fL)	40-150	1.0% @ 70-120
PLT (10 ⁹ /L)	10-999	5.0% @ 200-450

QUALITY CONTROL

Levey Jennings charts and calculation of Mean, SD, CV;
up to 9 control files, 31 runs/ file.

THROUGHPUT

60 seconds per sample.

SAMPLE VOLUME

Venous	9.6 µl
Capillary	9.6 µl
Pre-diluted	20 µl

MEMORY STORAGE

50 000 patient files
Mono-directional LIS transfer

INPUT/OUTPUT

External monitor
RS232 x 1; USB port x 4; Ethernet x 1

PRINTOUT

Fast thermal printer, 57.5 mm wide paper,
recording width 48 mm
Optional external printer, Ink jet or laser

DISPLAY

8" LCD screen
High resolution: 800x600 mm
Color display

INTERFACE

Multilingual Linux® software

OPERATING ENVIRONMENT

Temperature 18°C - 35°C
Humidity < 85%
Atmospheric pressure 86.0 - 106 kPa

POWER REQUIREMENTS

A.C. 110/220 V ±10%; 50 - 60 Hz
Fuse: A.C. 250 V; 2 A

DIMENSIONS

330(W) x 430(H) x 380(D) mm

WEIGHT

17.5 kg

Your Local Distributor:



SFRI

Medical Diagnostics



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H18LIGHT

NEW GENERATION OF 3-PART DIFF

All new design, unbeatable quality

SFRI

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New 3-part diff generation
All new design, best quality
BRAND NEW MODULAR SYSTEM

3-part differentiation of WBC, 20 parameters & 3 color histograms (WBC, RBC, PLT)

BRAND NEW LINUX® SOFTWARE « so much more user-oriented! »

WHAT'S NEW?

1. Multilingual
2. All printers available (ink jet or laser)
3. Up to 50 000 data storage
4. 4 USB ports: printer, keyboard, mouse AND software upgrade
5. 1 Ethernet port for data transfer
6. Screen resolution 600*800
7. Hardware stored in the internal memory
8. Data backup possible via USB export of samples results

New options: Create your own H18 LIGHT

TOUCHSCREEN

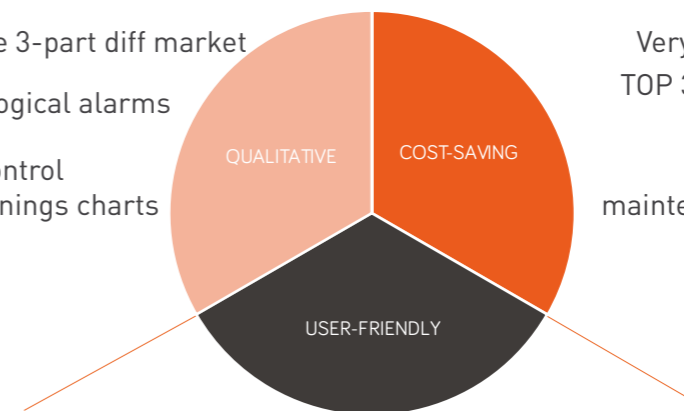
«BASIC»

CLOSED SYSTEM WITH BARCODES



A qualitative, cost-saving & user-friendly analyzer

One of the best CVs on the 3-part diff market
Extremely reliable pathological alarms
Comprehensive quality control programs with Levey-Jennings charts



Very low consumption of reagents:
TOP 3 analyzer in reagent economy
Robust instrument, optimized maintenance & negligible after-sales interventions

Small & compact analyzer
Large 8" colour LCD screen
Intuitive Linux® software
Up to 50 000 patient results stored & easy search function
Cyanide free lysing reagent

Built-in thermal printer
External keyboard & mouse provided or touchscreen
Optional barcode reader
Fully automatic calibration in all sample modes



Large LCD display, 20 parameters & 3 color histograms on 1 screen



On-board operator guide and help



Fully automatic calibration in all sample mode



Consumables

Up to 30% less consumption*



	NAME	TYPE	REFERENCE	VOLUME	SHELF LIFE**
REAGENTS	Diluton H18	Diluent	HSD320	20 L	36 months
	Lysoglobine H18	Lyse	HSL301	500 ml	24 months
	Diluterge H18	Cleaner	HSG302	2 L	24 months
MAINTENANCE SOLUTIONS	Diluclair H18	Shutdown	HSC301	60 ml	12 months
	Hemaclair H18	Emergency cleaner	HSC101	60 ml	12 months

	NAME	TYPE	REFERENCE	CVS***	OVS***
CONTROLS	BloodTrol 16	3 tubes N	R021005	105 days	14 days
		3 tubes LNH	R021001		
		6 tubes N	R021002		
		6 tubes LNH	R021006		
CALIBRATOR	BloodCal	1 tube	R021003	45 days	5 days

*Local distributors can provide comparative table - **From date of manufacture - *** / Opened / Closed vial stability