

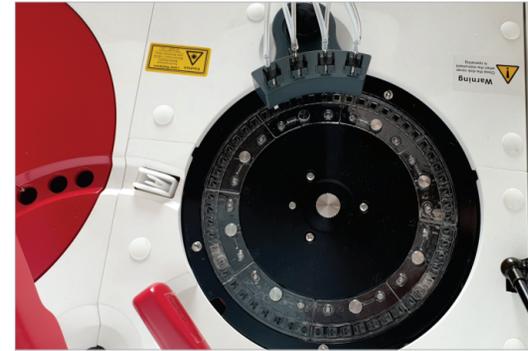
## EFFICIENT LAUNDRY SYSTEM

- Laundry system adopting 7 stops, 11 steps
- Vacuum draining liquid, detergent and warm water rinsing ensures guaranteed accuracy
- Water consumption of 4 L/hour



## SEMI PERMANENT REACTION CUVETTE

- Rigid semi permanent reaction cuvette, with good penetrating of Ultraviolet (UV)
- Reaction cuvettes ensures cost savings with enhanced durability of 9 to 12 months
- 1 Set 7 Pieces | 8 Sets 56 Pieces | Cuvette optical path of 5mm



## CALIBRATION & QC PROGRAM

- Linear and non-linear calibration with 9 types of calibration curve
- 6 different levels of calibration for each item can be programmed
- QC with Westgard multi rules
- QC plot with L-J and cumulative statistics
- Automatic error reporting compliant with lab QC management



**STEP UP TO THE BEST QUALITY**

## Technical Specifications

<b>System Function</b>	
Description	Fully Automated, discrete, random access clinical chemistry analyzer
Measuring principle	Spectrophotometry
Photometric throughput	Up to 240 tests/hour
Photometric system	HCFG rear spectrophotometry
Methodology	End point, Fixed time, Kinetic, Single & Dual reagent chemistries Mono & Bi chromatic, Linear & non-linear multipoint calibration
<b>Optical System</b>	
Light source	Halogen - Tungsten lamp (12V/20W)
Monochromator	Grating Photometry (Holographic Concave Flat Field Grating)
Wavelength	340nm, 380nm, 405nm, 450nm, 480nm, 505nm, 546nm, 570nm, 600nm, 660nm, 700nm, 750 or 800nm
Linear range	0 - 3.3 Abs
Detector	Photodiode array
<b>Reagent/Sample Handling</b>	
Reagent/Sample tray	Multi-functional reagent and sample carousel
Reagent/Sample position	Up to 80 positions
Sample cuvette specification	Standard cup, original blood tube, multi-specification tube (10-13) x (75-100) mm
Sample reagent probe	Digital liquid level detection and vertical collision protection
Sample dilution	Pre & Post dilution facility
Reagent volume	10-300 µl
Sample volume	2-35 µl
Dilution vessel	UV plastic semi permanent cuvette
Reagent bottle volume	20 & 70 ml
<b>Reaction System</b>	
Reaction cuvette	56 positions optical plastic cup
Reaction volume	100-360 µl
Reaction temperature	37±0.1°C
Reaction disk constant temperature	Thermostat air bath
Mixing system	Teflon coated stirrer with triple speed mixing mechanism
Laundry system	Efficient system adopting 7 stops, 11 steps
<b>Operation Unit</b>	
PC operation system	Windows 7 or Windows 10
PC configuration	CPU > 2.9 Ghz (dual core processor); RAM > 4 GB; Harddisk > 160 GB
Analysis control	Graphical operating software
Report printing	Supports user-defined mode, QC and state information etc
System connection	TCP/IP network connection, standard RJ-45
<b>Calibration &amp; Quality Control</b>	
Calibration method	Linear (One-point, two-point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial
Quality control method	Real-time, daily, monthly & QC chart   Visual QC assessment   QC history checking QC error analysis
Parabola control rules	Westgard multi-rule, L-J chart
<b>Working Conditions</b>	
Power supply	100-240 VAC   50/60Hz   Power 600VA
Ambient temperature	15°C-25°C
Relative humidity	40% - 85%
Atmospheric pressure	70-106kPa
Water consumption	4L/hour
Dimensions (LxWxH)	744x703x530 mm
Weight	Approx. 100 kg

**AGAPPE DIAGNOSTICS SWITZERLAND GmbH** CE

Knonaerstrasse 54 - 6350 Cham, Switzerland.

Tel: +41 41 780 60 10 | Fax: +41 41 780 60 11 | info@agappeswiss.com | www.agappeswiss.com

YOUR BEST PARTNER IN DIAGNOSTICS



**MISPA CXL PRO**  
Random Access Clinical Chemistry Analyser

YOUR BEST PARTNER IN DIAGNOSTICS

- Mispa CXL Pro is a compact, fully automated clinical chemistry analyzer with photometric throughput of 240 tests per hour.
- Mispa CXL Pro has Holographic Concave Flat Field Grating (HCFG) rear spectrophotometry system designed for best reliability and maximum accuracy.
- On-board washing and cleaning system in Mispa CXL Pro adopting 7 steps 11 steps, ensures minimum carryover and precise result delivery.
- Mispa CXL Pro is the best in the class with grating, mixing, washing and user-friendly classic features.



### SAMPLE/REAGENT PIPETTING MECHANISM

- Probe with digital liquid level detection and vertical collision protection
- Analyzer has special degassing device to remove air dissolved in tube for accurate pipetting
- Syringes are made of long life high precision ceramic piston, ensures minimal maintenance
- 60nm polished probe with nano coating technology
- Thermostat air bath to ensure temperature of  $37 \pm 0.1^\circ \text{C}$

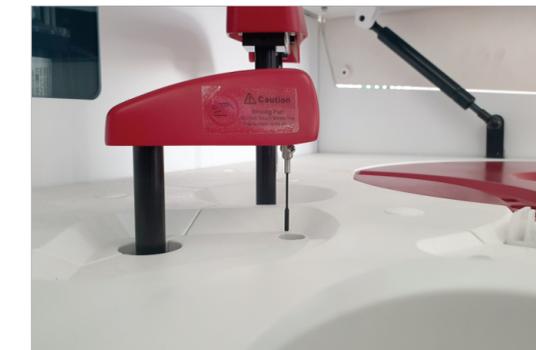
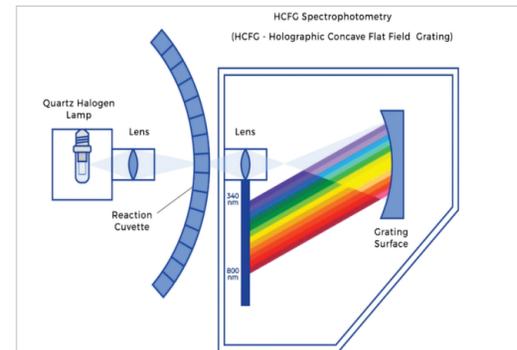


### MULTI-FUNCTION SAMPLE & REAGENT CAROUSEL

- 40 reagent and 40 sample positions with anywhere anytime STAT facility
- 24 hours continuous cooling condition ensures quality of reagent, control and calibrator
- Can accommodate 20ml and 70ml reagent bottles
- Barcoded tailor-made dedicated system reagents
- Standard cup, original blood tube, multi-specification tube (10-13) x (75-100) mm

### PROVEN HCFG PHOTOMETRY SYSTEM

- Monochromator with holographic concave flat field grating (HCFG), rear spectrophotometric 12 ways parallel measuring technology, reduces ambient light interferences to get accurate result.
- Photospot technology to reach super micro analysis.
- Specially designed lamp placement to reduce signal attenuation and interference.



### TRIPLE SPEED MIXING MECHANISM

- Teflon coated stirrer, to avoid liquid suspension and reduce cross contamination
- Triple speed mixing mechanism is highly efficient for latex based assays
- Flat paddle stirrer design with swirl rinsing offers homogeneous mixing

EXPERIENCE THE ULTIMATE AUTOMATION

BEST TECHNOLOGY FOR BEST PERFORMANCE

FAST & ACCURATE ANALYSIS