



**MICROPLATE PROCESSOR  
LD-LMPP-A1 SERIES**

LD-LMPP-A1 SERIES

**Description:**

Microplate Processor LD-LMPP-A1 Series is an advance control system with combination of reader and washer. It comes with 2 or 4 independent incubating system for 96 well plates, 1/2 pipetting probes of 10 ~ 1000  $\mu$ L. Equipped with 8 independent photometric channels for monochromatic and di-chromatic reading. PTFE probes prevent cross contamination of samples. Available LIS system software for user friendly interface.

**Features:**

- Microplate processor with automatic controlled reading and washing
- Wavelength ranges from 400 – 700 nm
- 8 independent photometric channel
- Available with monochromatic and di-chromatic reading
- Designed with temperature control incubation system
- It offers 2/4 independent incubation system of 96 well each
- PC control system compatible to windows software
- LIS system software for user friendly interface
- Programmable rack positions
- It is provided with wash, rinse, buffer and wash bottle

**Applications:**

Microplate Processor is mainly used in the field of Pharmacy to analyze sample pre-processing, sample analysis and data processing.

**Specifications:**

Model No.	LD-LMPP-A10	LD-LMPP-A11
Sample Position	80 positions	552 positions
Sample Volume	10 ~ 1000 $\mu$ L	8 ~ 1000 $\mu$ L
Dispensing System	1 probe	2 probes
Reagent Position	Universal Reagent: 6, expandable to 32 Original Reagent: 20, expandable to 80	23 racks
Reagent Pipetting Volume	10 ~ 1000 $\mu$ L, 1 $\mu$ L stepping	8 ~ 1000 $\mu$ L, 1 $\mu$ L stepping
Precision	$\leq 0.5$ %	
Dispensing Time	5 mins for 96 wells	4 mins for 96 wells
Washing Heads	2 x 8	
Wash Container	1 wash, rinse, buffer and waste bottle included	
Waste Container	Yes	25 L with sensor
Residual Liquid	< 2 $\mu$ L	
Measurement System	8 Channel Photometric System, Mono & Dichromatic Reading	
Absorbance Measurement Range	0.0 ~ 3.0 OD	
Wavelength Range	400 – 700 nm	
Standard Wavelength	405 / 450 / 492 / 630 nm	
Photometric Accuracy	$\pm 1$ %, 0.0 ~ 1.5 OD   $\pm 2$ %, 1.5 ~ 3.0 OD	
Incubator	2 Incubators	4 Incubators
Temperature Range	RT to 45 $^{\circ}$ C	
Temperature Accuracy	$\pm 0.5$ $^{\circ}$ C	

Software	PC control software	
Printer	Optional	
Power Supply	AC 220V $\pm$ 10%, 50/60 Hz	
Working Temperature	10 ~ 30 °C	
Humidity	30% – 80%	
External Dimension (W x D x H)	933 x 685 x 860 mm	1235 x 710 x 880 mm
Packaging Dimension (W x D x H)	1085 x 840 x 1318 mm	1380 x 860 x 1435 mm
Net Weight	130 kgs	146 kgs
Gross Weight	180 kgs	220 kgs