

Supports upper-level communication  
Fully digital controlled dispenser

# ML-8000X

*Industry 4.0 “complete” support*

*Digital Dispenser Unveiled!!*



## Features of ML-8000X

### Improved functions

Vacuum pressure setting

### Refined operability

Equipped with a 4.3 inch touch panel

### Production control

Equipped with log, self-diagnosis, emergency stop

### New Function

### Network connection support

Equipped with LAN ports  
Ethernet Support



### PC communication

Equipped with USB ports

Easy operation and setting with "touch screen".

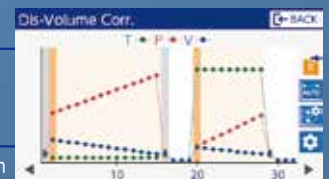


### Simplified manual setting

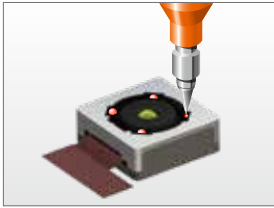
Equipped with auto slope function

Corresponding to changes in viscosity and remaining amount

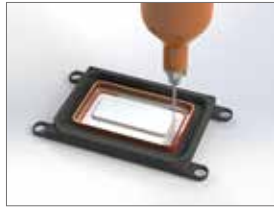
Equipped with auto increment function



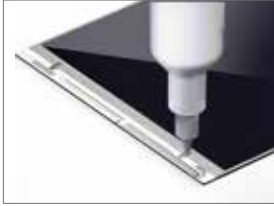
## Dispensing Application



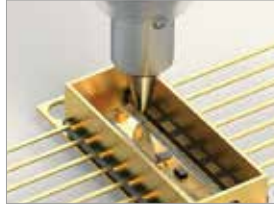
Dispensing UV on Camera Module



Speaker Vibration Membrane Attachment



Dispensing Ag Paste on Touch Panel



Dispensing Ag Paste on optical communication module

## System configuration

Syringe



Desktop and Cartesian robot



Cartridge



FA dispense machine



## Specifications

Product name		Supports high-level communication Fully digital controlled dispenser			
Model	ML-8000X-CTR				
	-V7-N-2	-V7-P-2	-V2-N-2	-V2-P-2	
Dispensing method	Air-pulse type				
Control method	Micro-computer controlled electronic-pneumatic system				
Pneumatic control circuit	Air-pulse stabilization circuit PAT.				
Display	4.3-inch color touchscreen (Japanese/English/Chinese)				
Dispensing mode	Timed mode, manual mode				
Dispensing pressure adjustment range	20.0 to 700.0 kPa		5.0 to 200.0 kPa		
Dispensing time setting range	0.010 to 9999.999 sec				
Vacuum pressure setting range	0.00 to -5.00 kPa				
Major functions	Auto Increment, Auto Slope, Express Shot, Dispensing Condition Correction, Self-Diagnosis, Date and Time (*1), Operation History, Dispense Counter, Alarm, Simple Remaining Quantity Detection, Dispense Pressure Monitoring, Solenoid Valve Alarm, Solenoid Valve Error, Supply Air Pressure Error, Vacuum Pressure Error, Password Lock, Channel Copy, Parameter Backup, Interval Dispensing, Display Unit Switching (kPa/bar), I/O Function Assignment.				
Channel count	400 CH				
Scalability	USB host	Type A x 1 port (for mass storage device connection)			
	USB device	Type C x 1 Port (for PC Connection) *2			
	LAN	RJ45x1 Port (10BASE-T/100BASE-TX)			
	RS-232C	D-Sub 9 pin (plug) x 1 port			
	Link to Temperature controller	e-CON (4-pin socket) x 1 port			
External input/output signal D-Sub	Connector	D-Sub 25pin (socket) x 1 port			
	Rated Voltage	24V			
Input	24V common   GND common   24V common   GND common				
	Dispensing, Channel Switching, Dispensing Mode Switching, Channel Preset, Channel Selection, Channel Step, Dispense Enabled				
Output	Open Collector Output DC24V, 10mA Max				
	GND common   24V common   GND common   24V common				
Ready, Dispensing, Alarm, Error, Power On, Pressure Switching, Auto Increment Complete, Channel/Dispensing Mode Switching Complete					
Source pressure range	200 to 800 kPa		200 to 400 kPa		
Power supply (*3)	Connector	ACAT-4 Dedicated Connector, e-CON (3-pin socket) (*4)			
	Rated voltage	DC 24 V ±10%			
	Power consumption	26W			
Usage environment (indoor only)	Temperature : 15 to 35°C, Humidity : 30 to 75% (without condensation), Altitude : below 2,000 m				
Storage environment	Temperature: 1 to 60°C, Humidity: 30 to 80% (without condensation)				
External dimensions (excluding protrusion part)	W210×D250×H108 mm				
Weight	3.4 kg				
Compatible standards	EU RoHS2, CE marking (EMC directive)				
Other options	AC adapter (ACAT-4), hand switch (LS-2T-DSUB25-1.5M, LS-3T-DSUB25-1.5M), foot switch (FS / W-2-DSUB25-2.0M), various connection cables, etc.				

\*1 Date and time data is retained by an internal lithium coin battery (primary battery).

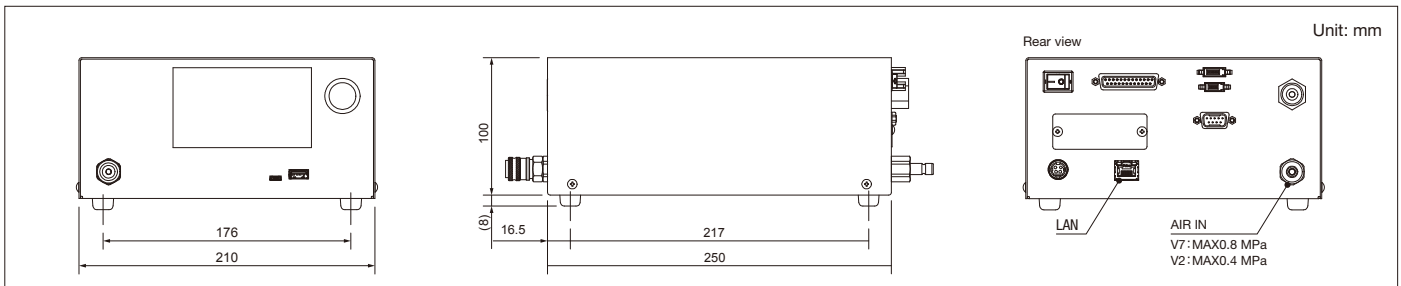
\*2, \*4 USB cables and power cables should be used within 3 meters (usage beyond 3 meters is outside the scope of this product's CE declaration of conformity).

\*3 The AC adapter is not included with the product. Please supply power using one of the following methods.

• Use our ACAT-4 (input rating AC100-240V 50 / 60Hz).

• Use a SELV power supply that meets the LVD matching standard for CE marking. (Compatible plug: e-CON 3 pin)

## External dimensions



**Safety precautions**  
Please read the instruction manual carefully before use to ensure correct and safe usage.

\*These specifications are subject to change without any notice.

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CHINA » HONG KONG, SHANGHAI, SHENZHEN, TIANJIN, SUZHOU



CAT. No.ML8000X-102404-E-COPY