

Volumetric digital control dispenser

MEASURING MASTER MPP-5 Head S

Ultra-precision constant
volume dispensing of
“liquid material
with varying viscosity.”

Set dispensing volume to suit capacity and density

Our unique plunger technology empowers superior durability

New

Includes an overload detection feature

Improved pump capacity and enhanced liquid material feed mechanism

The error log feature contributes to improved production control



Dispensing applications



Potting sensor components






Capable of adhesive application on optical components



Capable of gluing magnets in an IPM motor

Quick reference to the MPP-5 Series features

MPP-5-S					MPP-5-M			
								
Pump capacity (mL)								
NEW 0.031	NEW 0.056	0.127	0.226	0.508	NEW 1.200	NEW 3.200	5.100	7.300
The way of liquid material delivery								
<ul style="list-style-type: none"> Musashi syringe (10 to 70mL) Barrel cartridge (170 to 340 mL) 			<ul style="list-style-type: none"> Tank Sealant cartridge 			<ul style="list-style-type: none"> Barrel cartridge (170 to 340 mL) Sealant cartridge Tank 		
Common controller MPP-5-CTR 				<ul style="list-style-type: none"> Error log No return-home action required 				

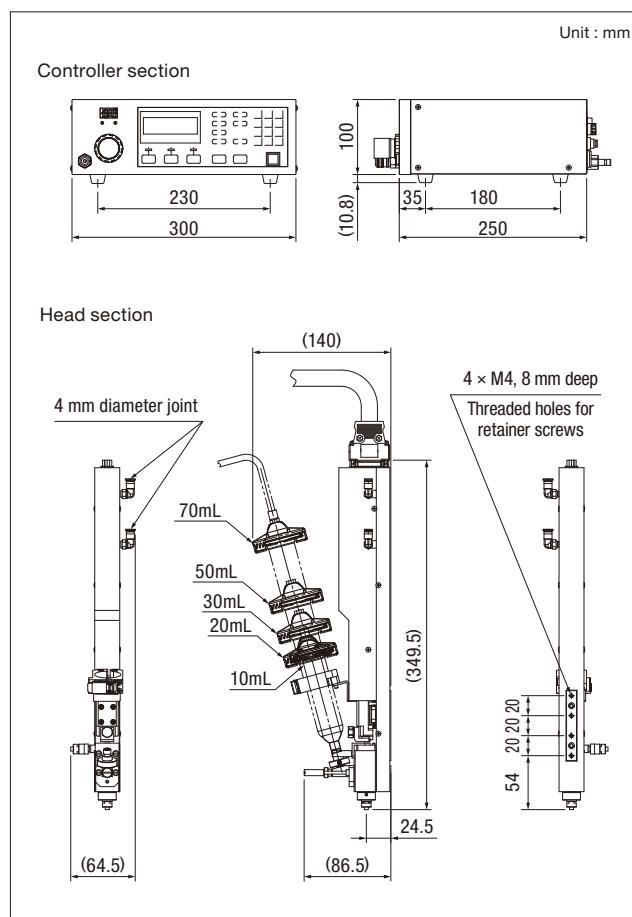
Two-component mixing configuration *DUAL MPP-5*



Specifications

Item name	Volumetric digital control dispenser MEASURING MASTER				
Model	MPP-5-H-S				
Dispensing system	Volumetric type & plunger type				
Control system	Microcomputer digital control system				
Pump unit models	MPP-5-P-S-PU-031-1, MPP-5-P-S-PU-031B1-1	MPP-5-P-S-PU-056-1, MPP-5-P-S-PU-056B1-1	MPP-5-P-S-PU-127B1-1	MPP-5-P-S-PU-226B1-1	MPP-5-P-S-PU-508B1-1
Dispensing amount setting range	0.00001 to 0.03100 mL	0.00001 to 0.05600 mL	0.00001 to 0.12700 mL	0.00001 to 0.22600 mL	0.00001 to 0.50800 mL
The setting range of liquid delivery pressure	0.001 to 0.500 MPa				
Dispensing time setting range	0.01 to 99.99 s				
Dispensing rate setting range	1 to 24 mm/seconds (varies depending on the head size)				
Main functions	Suckback, quick washing, air bubble removal, remaining amount warning, Japanese/English UI selection, unit of measure selection (mL/ μ L/g), density conversion, error log, α adjustment, pressure mode selection				
Channel number	400 CH				
D-Sub for external input/output signals	Connector	D-Sub 25-pin (socket)			
	Input	Photocoupler input, DC24V, 5mA Dispensing, filling, setup, channel selection, ENABLE signal			
	Output	Photocoupler open collector output, DC24V, 10mA or lower Dispensing/dispensing complete, fill request, pump running, error present, remaining amount warning, power on, maintenance position, air bubble removal position			
Source pressure	0.400 to 0.800 MPa				
Rated power and frequency	AC 100 -240 V, 50/60 Hz				
Allowable rated voltage fluctuation range	Within $\pm 10\%$ of the nominal voltage				
Operating environment (indoor only)	Temperature: 15 to 35°C, humidity: 40% to 75% (no condensation allowed), altitude: Not greater than 2,000 m				
Storage environment	Temperature: 0 to 55%, humidity: 40% to 80% (no condensation allowed)				
External dimensions (excluding protrusions)	Head: W64.5 \times D86.5 \times H349.5 (mm) Controller: W300 \times D250 \times H110.8 (mm)				
Weight	Head: 0.94 kg (not including the liquid material and the liquid material container) Controller: 4.6 kg				
Liquid material feed container	Musashi syringe (10 to 70 mL), tank, sealant cartridge, barrel cartridge (170 to 340 mL)				
Conformity standards	EU RoHS2, CE-marking (Low Voltage Directive, EMC Directive)				
Power consumption	75 W				

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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