

Hand-Held Pump

MINI MP-\(\sum_{\text{NIMP}}\) Series

MINIPUMP MP-Z30NII

MINIPUMP MP-2300NI

MINIPUMP MP-2500NI

MINIPUMP MP-S100HNII

Maximum Flow Rate

MP- Σ 30NII 0.5L/min MP- Σ 300NII 3L/min MP- Σ 500NII 5L/min

MP-Σ100HNII 1.5L/min_(High Load Type)



Incorporeates a constant flow rate function to minimize drops. Displaying instaneous and integrated flow volume as digital values. Four timer sampling modes (manual, down, volume, cycle timer). The LCD display for checking in dark locations.

The state of the filter element can be visually checked.

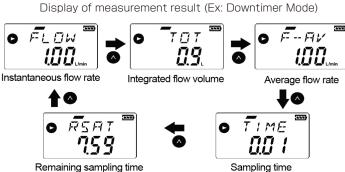
Incorporates a measurement data log function.

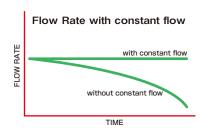
Three power sources are supported.

MP-ZII series









ΣNII Main Unit



CODE:

090860-034 ···MP-Σ30NII 090860-304 ···MP-Σ300NII 090860-504 ···MP-Σ500NII

090860-504 ···MP-Σ500NI 090860-104 ···MP-Σ100HNI













1 Manual Mode Operation ··· Sampling manually



2 Down Timer Mode Operation · · · Preset to start sampling.



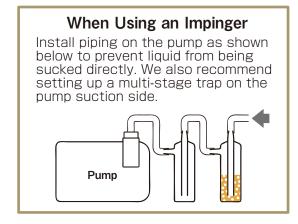
3 Volume Timer Mode...Preset to start sampling and to end sampling when the preset integrated flow volume is reached.



4 Cycle Timer Mode Operations...Operate automatically in accordance with the setup details preset on the PC.

Communication software is sold separately and your PC is required.

Ask SIBATA's agents for details.





Specifications				
Model	ΜΡ-Σ30ΝΙΙ	MP-Σ300NII	MP-Σ500NII	MP-Σ100HNII
Operable Flow Rate Range	0.050~0.500L/min.	0.50~3.00L/min.	2.00~5.00L/min.	0.30~1.50L/min.
Display Range of Instantaneous Flow Rate	0.000~0.750L/min.	0.20~4.50L/min.	0.50~6.00L/min.	0.10~2.50L/min.
Constant Flow Rate Range	0.1L/min.:0~10.0kPa 0.2L/min.:0~9.0kPa 0.3L/min.:0~9.0kPa 0.4L/min.:0~8.0kPa 0.5L/min.:0~7.0kPa	0.5L/min.:0~10.0kPa 1.0L/min.:0~7.0kPa 2.0L/min.:0~6.0kPa 3.0L/min.:0~5.0kPa	2.0L/min.:0~10.0kPa 3.0L/min.:0~8.0kPa 4.0L/min.:0~5.0kPa 5.0L/min.:0~3.0kPa	0.3L/min::6~35kPa 0.5L/min::5~30kPa 0.7L/min::4~25kPa 1.0L/min::3~22kPa 1.5L/min::3~10kPa
Accuracy of Constant Flow Rate	Within ±5% of the set flow rate			
Setting Range of Integrated Flow Rate	0.00~999.99L	9L 0.0~9999.9L		
Display Range of Integrated Flow Rate	0.00~9999.9L	~9999.9L 0.0~99999L		
Display Range of Set Time	0.00 to 999.59 (hour, minute)			
Time Setting/Display	Year/month/day, hour, minute			
Built-in Flow Meter	Mass-flow sensor			
Pump Type	Double diaphragm type			
Material	Pump head:ABS-POM-TPU, Diaphragm:EPDM, Valve: EPDM, Case:PC			
Mode	Manual, Down timer, Volume timer, Cycle timer			
Display	Liquid crystal display device(with backlighting)			
Communications (USB)	Loading and setting by exclusive communications software			
Suction/Exhaust Port Diameter	Outside Dia. 6mm and 8mm (tube used: Inside Dia. 5mm and 7mm)			
Operating Temperature/Humidity	0 to 40°C, 10 to 90%RH(no condensation)			
Electric Power Source	Lithium-ion rechargeable battery(option), AA dry cell batteries, (need Dry cell battery unit)(option), AC adapter(optio			
Operating Time (When a lithium-ion rechargeable battery is used without load)	60 hours or more	1.0L/min.:Over 50 hours 2.0L/min.:Over 45 hours 3.0L/min.:Over 35 hours	2.0L/min.:Over 36 hours 3.0L/min.:Over 30 hours 4.0L/min.:Over 24 hours 5.0L/min.:Over 18 hours	1.0L/min. : 48 hours (at 3.0kPa) or more
Operating Time (When AA alkaline dry cells are used without load)	30 hours or more	1.0L/min.:Over 25 hours 2.0L/min.:Over 22 hours 3.0L/min.:Over 17 hours	2.0L/min::Over 18 hours 3.0L/min::Over 15 hours 4.0L/min::Over 12 hours 5.0L/min::Over 9 hours	1.0L/min. : 24 hours (at 3.0kPa) or more
Dimensions	105(W)x67(D)x95(H)mm (including lithium-ion rechargeable battery)			
Weight	Approx.0.33kg(Approx.0.65kg including lithium-ion rechargeable battery)			
Accessories	Suction holder for ultra low flow volume(for MP-Σ30NII only)			
Item Code	090860-034	090860-304	090860-504	090860-104

^{*}No gurantte of accuracy for 0.05 - 0.1L/min in $\Sigma 30KNII$

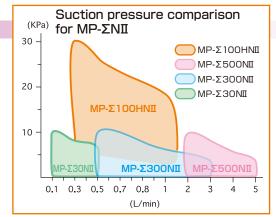
Minipump Line Up

Stand Sampler

This device collects harmful particulate and liquid and / or gaseous substance found in the work environment.



Specifications		
Code no./Model	080140-053/S-603	
Liquid collector	Midget impinger, G-1	
Suction pump	Mini Pump MP-Σ300NII	
Flow rate	0.5 to 3.00L/min.	
Tripod	Max. height 110cm	
Dimensions	Pump: 145 x 67 x 95mm	
Weight	Pump: 0.65kg	
	Mini pump x 1	
	Midget impinger x 2	
Accesories	Impinger holder x 1	
Acception	Tripod x 1	
	Quick charger x 1	
	Tube, 30cm x 2	



Bubble Film Flowmeter

The BF-200/600 is a bubble film flow-meter that is often used to calibrate our Mini Pump.

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Photo-sensors detect the time of movement of film(made from bubble) and calculate the quantity of flow utilizing a buit-in microcomputer, and automaticaly corrected temperature and atmospheric pressure.

It can calibrate automaticaly our Mini Pump with PC and communications software. (sold separately)

Specifications

Code no.	080880-200	080800-600			
Model	BF-200	BF-600			
Range of flow, L/min.	0.050 to 2.000	0.400 to 6.000			
Accuracy	±2%				
Display	Flow rate, Bubble film transit time,				
Display	Temperature, Atmospheric pressure				

MP-ΣΝΙ BF-200 BF-600 USB Cable

Specifications, and appearance described in this document are based on information as of March 25, 2015. They are subject to change without notice for improvement of the product.



1-1-62, Nakane Soka-City, Saitama, Japan TEL:+81-48-933-1582 FAX:+81-48-933-1591

E-mail:overseas@sibata.co.jp

^{*}The cycle timer mode can be set only by a PC, and Communications software(sold separatery) is also required.

In the cycle timer mode, the sampling start setting involves only setting of the time.

^{*}The operation hour is the case for no load, 25°C. The life of the battery varies depending on the ambient temperature at the operating time.