

# Personal Mini Pump

PERSONAL MINI PUMP MODEL:PMP-001

## Model:PMP-001



# Personal Mini Pump PMP-001

## Features

- The PMP-001 is a lightweight, portable air sampling pump equipped with a constant flowrate functionality.
- It is especially for intake in the low flowrate range.
- It can also be used for personal exposure measurements.
- It can be used as a suction pump for a variety of detector tubes.



Personal Mini Pump PMP-001

## Specifications

Code	080870-001
Model	PMP-001
Flowrate Setting Value	10 to 300 mL/min
Instantaneous Flowrate Display Value	0 to 350 mL/min
Constant Flowrate Operational Range	10mL/min: 0 to 10kPa* 50mL/min: 0 to 30kPa* 100mL/min: 0 to 30kPa 200mL/min: 0 to 20kPa 300mL/min: 0 to 10kPa
Flowrate Precision	±5 % or ±5 mL/min of the set flowrate, whichever is larger
Accumulated Flowrate Display Range	0.000 to 9999.9 L
Time Setting and Display Range	00:00:00 to 999:59:59 (HH:MM:SS) (HH:MM when setting the time)
Internal Flow Meter	Differential pressure type
Pump Type	Diaphragm
Primary Materials	Pump head: PC; Diaphragm: EPDM; Flow lines: ABS; Case: PC
Measurement Mode	Manual, countdown timer, volume timer, interval timer
Display	Organic EL indicator
Intake Port Diameter	O.D.: 6 and 8 mm (Tube used: I.D. of 5 and 7 mm)
Ambient Temperature and Humidity Range	0 to 40 ° C, 10 to 90 %RH (no condensation)
Power Supply	AA batteries, 2 pc., 5 V DC (microUSB)
Operating Time	When used with AA alkaline batteries, unloaded 10 mL/min: Over 10 hours 100 mL/min: Over 10 hours 300 mL/min: Over 10 hours
Dimensions	W63 × D29 × H115 mm
Weight	190 g (including batteries)
Accessories	Low flowrate orifice adapter

\*Specifications when a special orifice adapter is connected

## Optional Parts Sold Separately



Soft case for PMP-001

Tripod mounting hardware for PMP-001

Code	Product Name
080870-0011	Inlet for PMP-001
080870-0012	Tripod mounting hardware for PMP-001
080870-0013	Soft case for PMP-001
080870-0014	Filter Element VFE-015
080870-0015	Low flow rate orifice adapter





## Digital Dust Indicator LD-6N2

### Features

- Portable dust indicator intended for measuring the dust exposure to individuals.
- Measurement data can be imported to a computer using special communications software (operating system: Windows 7, 8, 8.1, 10).
- It can also measure dust concentration and mass concentration simultaneously.  
※ Optional function separately available (External intake unit required).

### Specifications

Code	080170-22
Product Name	Digital Dust Indicator
Model	LD-6N2
Measurement Principle	Light scattering
Intake Method	Fan motor
Measurement Range	1 to 100,000 CPM (0.001 to 100 mg/m <sup>3</sup> (when K = 0.001))
Measurement Sensitivity	1 CPM = 0.001 mg/m <sup>3</sup> (for calibration particles)
Measurement Precision	±10 % of indicated value ±1 count (for calibration particles)
Display	Accumulated count value: 1 to 99,999 (Units: COUNT) Instantaneous value: 1 to 99,999 (Units: CPM) Converted mass concentration value (Units: mg/m <sup>3</sup> ) (only after measurement) (When K = 0.001: 0.001 to 100.0 mg/m <sup>3</sup> ) Battery level display (3-stage indicator)
Output	USB connector: Measurement data serial output Output connector: Pulse output/external device control signal output/data output for external signal unit
Power Supply	AC power supply (100 to 240 V, type A plug), USB power supply, or internal nickel metal-hydrate batteries Battery charging time: Approx. 4 hours Battery run time: Approx. 10 hours
Operating Environment	Temperature: 0 to 40 ° C; Humidity: 5 to 90 % (no condensation)
Size and Weight	Detector unit: W100 × D37 × H72 mm (when the air sampling port is attached) Control unit: W70 × D35 × H105 mm (excluding protrusions) Approx. 0.5 kg (detector unit, 1 m connector cable, and control unit)

### Optional Parts Sold Separately

Code	Product Name
080170-225	External Intake Unit
080150-254	Personal Sampler Holder, PM4, NWPS-254
080170-2201	Detector Unit Stand
080860-5050	Mini Pump MP-W5P



External Intake Unit



Stand Usage Example

※The upper measurement limit is 100,000 CPM. This is the upper limit for the relative concentration range used to determine instantaneously high concentration peaks, and is not guaranteed for measuring continuously high concentrations.  
Consider the constant concentration range as 10,000 CPM or less.

# Digital Dust Indicator

DIGITAL DUST INDICATOR MODEL:LD-6N2

## Model:LD-6N2



- Specifications and appearance described in this document are based on information as of July 2017. ● The color of actual products may differ to that color in this data sheet.
- Before using PMP-001 and LD-6N2, you are expected to read the operation manual.

SIBATA SCIENTIFIC TECHNOLOGY LTD.



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

E-mail:overseas@sibata.co.jp

<http://www.sibata.co.jp/english/>