SIBATA

Personal Mini Pump

Model:PMP-001

Personal MiniPump PMP-001

The air sampler SIBATA Personal MiniPump PMP-001 is light-weighed, compact, and perfect for personal exposure measurement. Personal MiniPump provides constant flow rate and is suited to be used with sorbent tubes.

Features

- Light-weight and compact – 190g, fits in your pocket
- Draws air at constant flow rate – provides stable low flow rate
  *For the flow rate 50mL/min or below, attach the provided flow rate orifice adapter to the pump.
- Withstands high back pressure – perfect to be used with sorbent tubes

Personal MiniPump PMP-001

Specifications

Item Code	080870-001
Model	PMP-001
Operable Flow Rate Range	10 to 300 mL/min
Instantaneous Flow Rate Range	0 to 350 mL/min
Operable Flow Rate and Back Pressure	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
Flow Rate Accuracy	±5 % or ±5 mL/min of the set flowrate, whichever is larger
Total Flow Volume Setting Range	0.000 to 9999.9 L
Time Setting 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
Materials	Pump head: PC;　Diaphragm: EPDM; Flow lines: ABS;　Case: PC
Measurement Mode	Manual, countdown timer, volume timer, interval timer
Display	Organic EL indicator
Air Intake Port Diameters	O.D.: 6 and 8 mm (Tube used: I.D. of 5 and 7 mm)
Operational Environment (C, %RH)	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

■Options and Spare Parts

Item Code	Product Name
080870-0011	Inlet Set
080870-0014	Filter Element VFE-0015
080870-0015	Low Flow Rate Orifice Adapter
080160-3	Tripod *universal
080140-1002	Tripod Extension Pole *universal
080870-0017	Soft Case and Tripod Mount Set

Soft Case and Tripod Mount Set

Digital Dust Indicator LD-6N2

Features

SIBATA Digital Dust Indicator LD-6N2 is a dust monitor designed for personal exposure measurement. The Dust Indicator is fully programmable and displays count values, a converted mass concentration values, and a battery status.

● Software included for computer import (operating system: Windows 8.1, 10)
● Pausing measurement function available
● Alarm function available
● Allows simultaneous dust monitoring and sampling with optional External Intake Unit
● Adapts to variety of sampling and monitoring – TSP, PM4 impactor, PM4 Cyclones
  *Inquire SIBATA or your distributor about your target particle and measuring style.

Specifications

Item 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/m³ (when K = 0.001))
Measurement Sensitivity	1 CPM = 0.001 mg/m³ (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/m³) (only after measurement) (When K = 0.001: 0.001 to 100.0 mg/m³) 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-hydride 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)

※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.
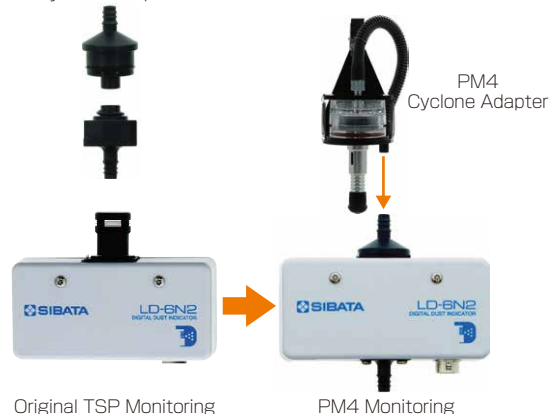Consider the constant concentration range as 10,000 CPM or less.

■Options and Spare Parts

Item Code	Product Name
090000-201	PM4 Cyclone Adapter Set
080170-225	External Intake Unit

External Intake Unit

PM4 Cyclone Adapter

PM4 Cyclone Adapter

Original TSP Monitoring

PM4 Monitoring

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 September 2020.* ● *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.*