

FC-L1 Standard Flowmeter for Sampling Pumps (5 to 40 L/min.)

FC-M1 Standard Flowmeter for Sampling Pumps (0.05 to 5 L/min.)



Standard dry flowmeters for calibration of sampling pumps

- Dry flowmeters based on differential pressure sensors facilitating operation and maintenance
- Transportable to measurement sites as they are compact and lightweight
- Equipped with automatic flow rate correction functions (0°C at 1 atm, 20°C at 1 atm, 25°C at 1 atm and actual flow volume)
- Capable of issuing traceability certificates
- Measuring Range:
FC-L1: 5 to 40 L/min. FC-M1: 0.05 to 5 L/min.
- Integrated Flowrate Display Range:
FC-L1: 0.0 to 99999.9L FC-M1: 0.0 to 9999.9L

FC-L1

- Standard flowmeter for the calibration of sampling pumps (5 to 40 L/min.)
- Suitable for the flow rate calibration of the LV-40BW, the LV-250R PM2.5 samplers and the LV-20P
- Automatic flow rate calibration feature with LV-40BW and LV-250R PM2.5 Samplers

Code No.	080120-157
Measurement Range	5 to 40 L/min.
Instantaneous Flow Rate Display Range	0 to 50 L/min.
Flow Rate Precision	+/- 3% of standard flow rate
Flow Rate Detection Method	Differential pressure detection method
Flow Rate Correction	0°C. C at 1 atmospheric pressure, 20°C. at 1 atmospheric pressure, 25°C. C at 1 atmospheric pressure, and actual flow rate
Accumulated Flow	0.0 to 99999L
Operating Temperature and Humidity Ranges	0 to 40° C, 10% to 90% RH (no condensation)
Power Source	Four AA batteries or an AC adapter (available as an option)
Dimensions	105 mm W × 170 mm D × 100 mm H
Weight	Approx. 0.9 kg (incl. batteries)
Accessories	Four AA batteries (to check operation)

Options

Item Code	Item Name
080040-3212	AC adapter
080120-1501	Soft case for FC-L1
080040-7001	Communication Cable for LV-40B/LV-250 for automatic flow rate calibration

FC-M1

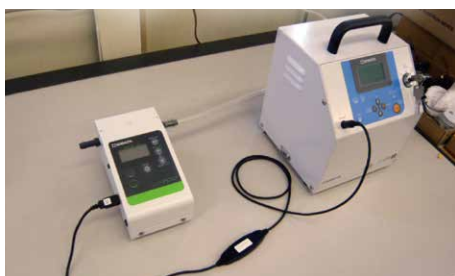
- Standard flowmeter for the calibration of sampling pumps (0.05 to 5 L/min.)
- Suitable for the flow rate calibration of MP-ΣNII, MP-W5P, MP-2N samplers
- Automatic flow rate calibration feature with MP-ΣNII and MP-W5P

Code No.	080120-158
Measurement Range	0.05 to 5 L/min.
Instantaneous Flow Rate Display Range	0 to 6 L/min.
Flow Rate Precision	+/-2% of the standard flow rate or +/- 0.003 L/min (whichever is larger)
Accumulated Flow	0.0 to 99999L
Flow Rate Detection Method	Differential pressure detection method
Operating Temperature and Humidity Ranges	0 to 40° C, 10% to 90% RH (no condensation)
Power Source	Four AA batteries or AC adapter (available as an option)
Dimensions	105 mm W × 170 mm D × 100 mm H
Weight	Approx. 0.9 kg (incl. batteries)
Accessories	Four AA batteries (to check operation), Toaron Tube, Orifice Adapter

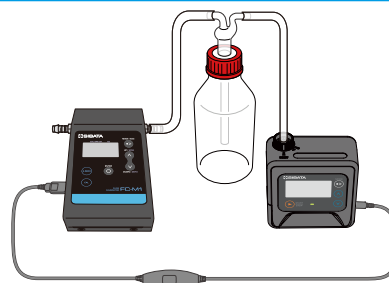
Options

Item Code	Item Name
080120-1511	Soft case for FC-M1
080040-3212	AC adapter
080880-1000	Buffer tank
080880-10001	Middle pipe for buffer tank
080860-59	Communication Cable for MP-W5P / MP-ΣNII for automatic flow rate calibration

Usage examples



FC-L1 with LV-40BW



FC-M1 with Mini pump

Specifications, and appearance described in this document are based on information as of June 1, 2020

They are subject to change without notice for improvement of the product.

SIBATA SCIENTIFIC TECHNOLOGY LTD.



1-1-62, Nakane Soka, Saitama, Japan
 TEL: +81-48-933-1582 FAX: +81-48-933-1591
 E-mail: overseas@sibata.co.jp
<http://www.sibata.co.jp/english/>

2103000N072