

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 ranges:
FC-L1: 5 to 40 L/min.
FC-M1: 0.05 to 5 L/min.

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, LV-250R

Code No.	080120-150
Model	FC-L1
Measurement Range	5 to 40 l/min.
Instantaneous Flow Rate Display Range	1 to 50 l/min.
Measurement Precision	+/- 3% of standard flow rate
Flow Rate Correction	0°C. C at one atmospheric pressure, 20°C. C at one atmospheric pressure, 25°C. C at one atmospheric pressure, and actual flow rate
Flow Rate Detection Method	Differential pressure detection method
Operating Temperature and Humidity Ranges	0 to 40 deg. C. 10% to 90% RH (no condensation)
Display	Digital liquid crystal display
Power Source	Four AA batteries (operating time: at least 8 hours)
Dimensions	105 mm W x 170 mm D x 100 mm H
Weight	Approx. 0.9 kg (incl. batteries)
Accessories	Four AA batteries (to check operation), Vinyltubing, 10mmI.Dx14.5mmO.Dx2.5m

Options

Item Code	Item Name
080040-3212	AC adapter
080120-1501	Soft case for FC-L1

FC-M1

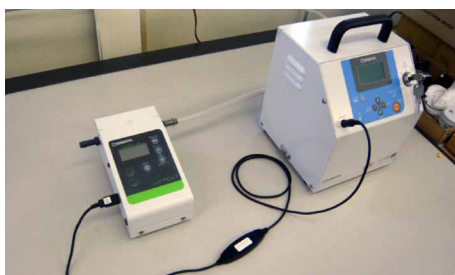
- Standard flowmeter for the calibration of sampling pumps (0.05 to 5 L/min.)
- Suitable for the flow rate calibration of the MP-ΣNII and MP-W5P, MP-2N
- Automatic flow rate calibration feature with MP-ΣNII, MP-W5P

Code No.	080120-151
Model	FC-M1
Measurement Range	0.05 to 5 l/min.
Instantaneous Flow Rate Display Range	0 to 6 l/min.
Measurement Precision	+/-2% of the standard flow rate or +/-0.003L/min (whichever is larger)
Flow Rate Correction	0°C. C at one atmospheric pressure, 20°C. C at one atmospheric pressure, 25°C. C at one atmospheric pressure, and actual flow rate
Flow Rate Detection Method	Differential pressure detection method
Operating Temperature and Humidity Ranges	0 to 40 deg. C, 10% to 90% RH (no condensation)
Display	Digital liquid crystal display
Power Source	Four AA batteries (operating time: at least 8 hours)
Dimensions	105 mm W x 170 mm D x 100 mm H
Weight	Approx. 0.9 kg (incl. batteries)
Accessories	Four AA batteries (to check operation), Vinyltubing, 7mmI.Dx10mmO.Dx2.5m, Low-flowrate orifice adapterx1 (Vinyltubing, 4mmI.Dx7mmO.Dx60mm 2pcs dedicated orifice and diameter adapter)

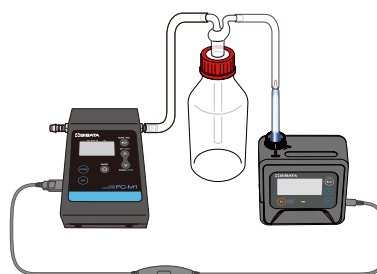
Options

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

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 25 October, 2015. They are subject to change without notice for improvement of the product.