

F&J MINI-CALIBRATOR (BATTERY POWERED)

NOTABLE FEATURES:

- Various Flow Ranges Available
- Lightweight; 8 oz. (227 gms)
- Small Footprint
- Adjustable Height
- Flow rate displayed are corrected to an operator settable Reference Temperature and Pressure

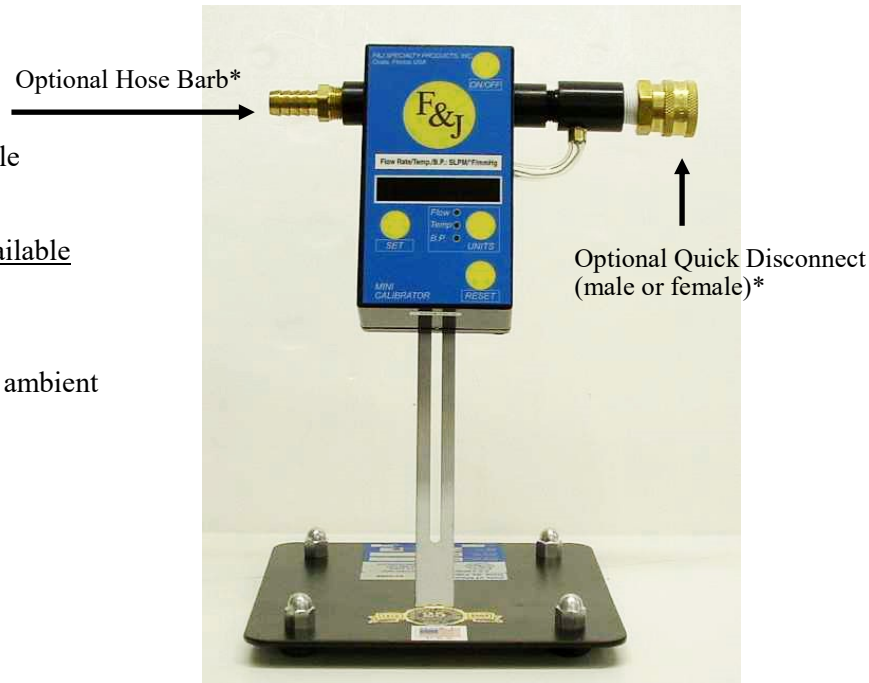
— Options Available:

Temperature
20°C
70°F
25°C

Pressure Options Available
1 Atm
1 Bar

- Flow rates displayed can also be corrected to the local ambient conditions of T and P by the operator
- Displays Airflow Temperature
- Displays Barometric Pressure
- Bright LED with large characters
- Operator Selectable Ambient Flow or Standard Flow
- Two cell lithium battery pack; 7.4V/1.4Ah
- Three color LED to show battery capacity
- AC to DC power adaptor for battery charging
- English or Metric Engineering Units (set at factory) Selection:

Flow	Temperature	Barometric Pressure
SCFM	°F	Inches Hg
scm	°C	mmHg
SLPM		kPa
SCMH		Bar



* Additional Cost

The F&J Mini-Calibrator is a small, lightweight microprocessor controlled instrument with sophisticated electronics that measures and displays flow rate corrected to a reference T and P, barometric pressure and air flow temperature.

The Mini-Calibrator, which is an exclusive F&J design, is a direct reading instrument utilizing a bright LED with large characters that are easily viewed by an operator. A NIST traceable calibration certificate is issued with each calibrator. The operator may select from a reference T and P flow standard or ambient T and P conditions.

The Mini-Calibrator can be utilized as a handheld unit for field calibrations or temporarily mounted in a variety of methods without requiring a level position. The optional hose barb fittings (additional cost) permit easy connection to the air samplers utilizing flexible tubing.

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MODEL SELECTION

Flow Range

110V	230V	SCFM	SLPM	sccm
MC-300CC-DC	MC-300ECC-DC		0.075 – 0.3	75 – 300 cc/m
MC-500CC-DC	MC-500ECC-DC		0.2 – 0.5	200 – 500 cc/m
MC-1L-DC	MC-1LE-DC		0.2 – 1	
MC-3L-DC	MC-3LE-DC		0.5 - 3	
MC-5L-DC	MC-5LE-DC	0.02 – 0.18	1 – 5	
MC-15L-DC	MC-15LE-DC	0.07 – 0.53	3 – 15	
MC-25L-DC	MC-25LE-DC	0.14 – 0.88	4 - 25	
MC-30L-DC	MC-30LE-DC	0.11 – 1.06	6 – 30	
MC-50L-DC	MC-50LE-DC	0.18 – 1.8	10 - 50	
MC-60L-DC	MC-60LE-DC	0.2 – 2	12 – 60	
MC-75L-DC	MC-75LE-DC	0.26 – 2.6	15 - 75	
MC-115L-DC	MC-115LE-DC	0.5 – 4	15 – 115	
MC-175L-DC	MC-175LE-DC	0.63 – 6.2	30 - 175	
MC-250L-DC	MC-250LE-DC	1 – 9	50 – 250	

GENERAL SPECIFICATIONS

Power Requirements	110 or 230VAC; 47-63 Hz; 0.1 amp maximum
Operating Temperature	40-104 Degree F (4-40 Degree C)
Storage Temperature	22-158 Degree F (-5-70 Degree C)
Dimension (L×W×H)	3.25" × 2.50" × 2.00" (82,6 mm × 140 mm × 50,8 mm)
Weight	8 ounces (227 g)

Parameter	Engineering Unit
CFM	Cubic feet per minute
LPM	Liter per minute
M ³ /hr	Cubic meter per hour
F	Degree Fahrenheit
C	Degree Celsius
In-Hg	Inches of Mercury
mm-Hg	Millimeters of Mercury

MEASUREMENT ACCURACY

Air Flow ± 2.0% of full scale
 Temperature (Typical) ± 2°F (1.1°C)
 Barometric Pressure ± 2% over measurement range

CALIBRATION

Factory calibration is recommended once per year.

OPTIONS (Additional Cost)

RS-232 interface, including cable
 All measured and calculated parameters are accessible through RS-232 port to a computer
 Hose barb or quick disconnect fittings