

chek-mate

NEW!
CalChek and Low Flow Models

Calibrator

\$500 savings
compared to piston
calibrators!



The Proof is in the Performance

- ❖ **Two models to cover a range of flows**
 - Medium flow (0.50 to 5 L/min) with CalChek
 - Low flow (20 to 500 ml/min)
- ❖ **CalChek capability in medium flow model provides direct communication to CalChek-ready pumps for automatic calibration**
- ❖ **Volumetric accuracy is 1% of reading for ranges of 750 to 5000 ml/min (medium flow) and 50 to 500 ml/min (low flow)**
 - 2.5% accuracy outside of above ranges
- ❖ **"Moving average" reading updates and displays continuously**
- ❖ **Certified to a NIST national standard in an ISO 17025 calibration laboratory**
 - NIST-traceable calibration certificate supplied
- ❖ **Sleek, lightweight design is field portable**
- ❖ **No moving parts, use in any orientation**
- ❖ **Easy one-button operation**
- ❖ **9-volt alkaline battery operation**
- ❖ **Internal filter protects components from dust**

Certifications

CE

RoHS



SKC Inc. 724-941-9701

SKC-West 714-992-2780

SKC Gulf Coast 281-859-8050

SKC South 434-352-7149

www.skcinc.com

chek-mate Calibrator

The Proof is in the Performance

How chek-mate Works

The SKC chek-mate Calibrator is a highly reliable orifice-type airflow meter that incorporates sensors to measure pressure drop across a fixed orifice. Sensors automatically correct for changes in air temperature and atmospheric pressure to provide accurate volumetric flow rate readings without the inconveniences of piston calibrators.



Sleek, lightweight, and easy-to-use chek-mate

Medium Flow with CalChek and Low Flow Models

The SKC chek-mate Calibrator is available in medium and low flow models, making it ideal for use across a broad range of sampling methods, pumps, and media. The medium flow model includes a CalChek communication interface for automatic flow calibration of CalChek-ready pumps.

Performance Profile

Principle of Operation: Differential pressure measurement of pressure drop across a fixed orifice

Flow Measurement Range: *Medium flow:* 0.50 to 5 L/min (volumetric)
Low flow: 20 to 500 ml/min (volumetric)

Display Resolution: *Medium flow:* 0.001 L/min
Low flow: 0.01 up to 100 ml/min and 0.1 above 100 ml/min

Accuracy: 1% of reading for 750 to 5000 ml/min (medium flow) and 50 to 500 ml/min (low flow)
2.5% accuracy outside of above ranges

Operating Temperature Range: 32 to 104 F (0 to 40 C)

Operating Barometric Pressure: 20.7 to 32.2 inches Hg (700 mbar to 1090 mbar)

Operating Altitude: Sea level to approx. 10,000 ft (3050 m) above sea level

Power: One disposable 9-volt alkaline battery (PP3)

Run Time: Approximately 30 hrs (dependent on battery)

Certifications: CE, RoHS

Dimensions: 7.1 x 3.3 x 1.3 in (18 x 8.3 x 3.3 cm)

Weight: *Medium flow* - 8.3 oz (236 gm)
Low flow - 8.2 oz (232 gm)

Ordering Information

Description	Flow Range	Cat. No.
chek-mate Calibrator with CalChek includes a 9-volt alkaline battery		
with NIST-traceable calibration certificate		375-0550N
with UKAS-traceable calibration certificate	0.50 to 5 L/min	375-0550
Low Flow chek-mate Calibrator includes a 9-volt alkaline battery		
with NIST-traceable calibration certificate		375-00205N
with UKAS-traceable calibration certificate	20 to 500 ml/min	375-00205
CalChek Communication Cable , for use with Cat. No. 375-0550N		375-200
Pulsation Dampener , for use with Cat. No. 375-0550N		375-100

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty>.

