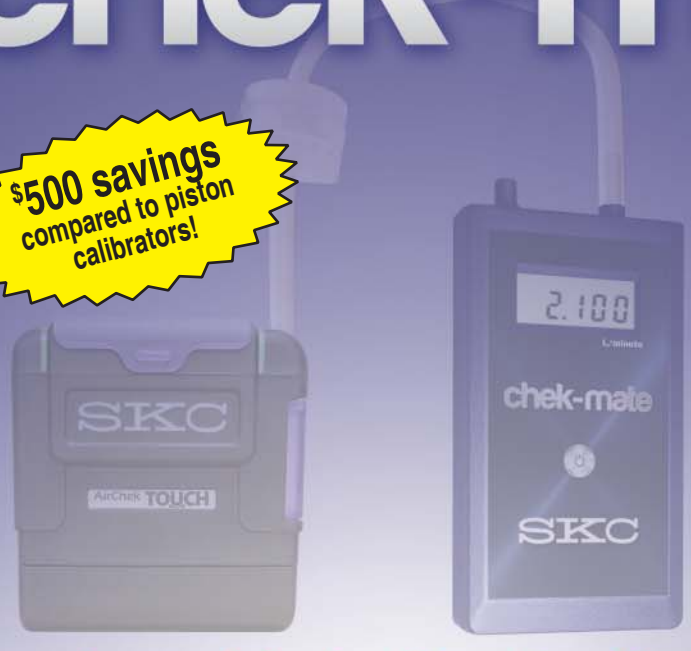
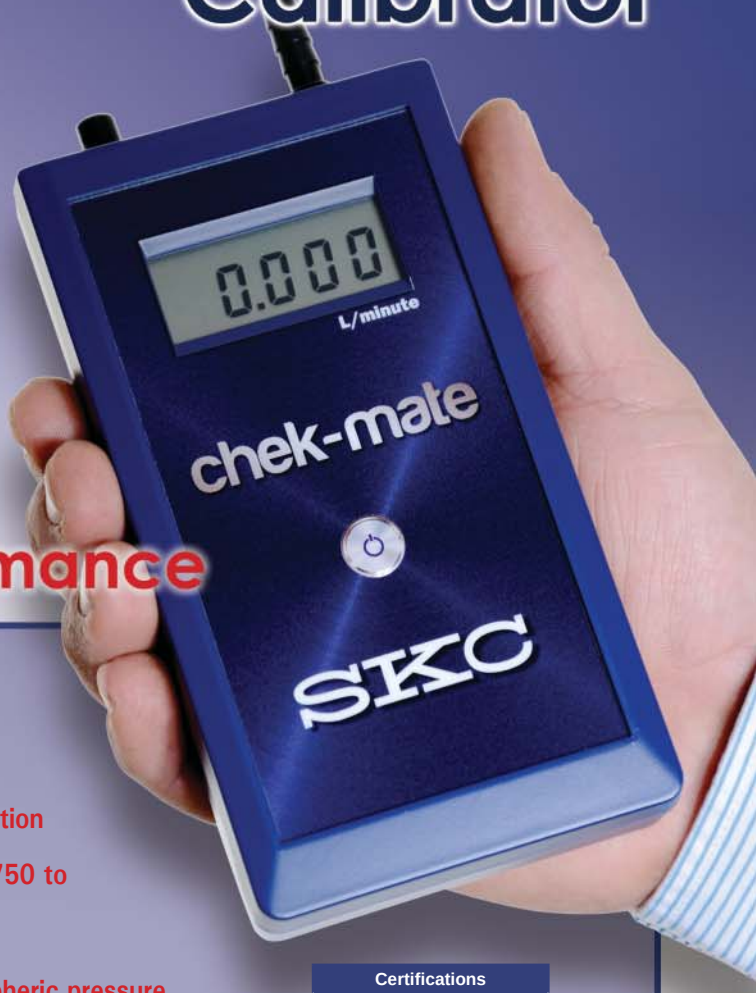
chek-mate®

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: 0.5 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**
- **Certified 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
- **Built-in sensors adjust for changes in temperature and atmospheric pressure**
- **Certified to a NIST or UKAS national standard in an ISO 17025 calibration laboratory**
  - NIST or UKAS-traceable calibration certificate supplied
- **Sleek design for calibration anywhere, anytime**
  - 7.1 x 3.3 x 1.3 inches (18 x 8.3 x 3.3 cm)
  - Only 8.3 ounces (236 grams)
  - Compact for handheld use
- **No moving parts, use in any orientation**
- **9-volt alkaline battery operation**
  - Auto shut-off feature conserves battery
- **Internal filter protects components from dust**

Certifications

CE RoHS

SKC

SKC Inc. 724-941-9701 **SKC-West** 714-992-2780 **SKC Gulf Coast** 281-859-8050 **SKC South** 434-352-7149

www.skcinc.com

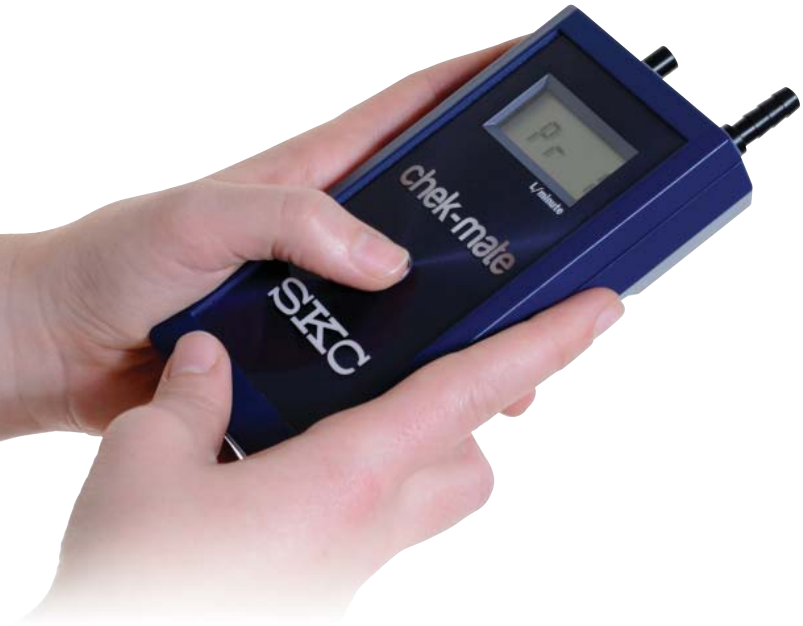
Publication 1912 Rev 1903

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:* 0.5 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, CalChek automatic calibration		
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**
Accessories		
CalChek Communication Cable, for use with Cat. Nos. 375-0550N and 375-0550, *required for automatic calibration of AirChek TOUCH Sample Pump*		**375-200**
Pulsation Dampener, for use with Cat. Nos. 375-0550N and 375-0550, *required for CalChek Full Calibration of AirChek TOUCH Sample Pump*		**375-100**
Battery, 9-volt alkaline		**P37500**

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.

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