

chek-mate CALIBRATOR

- **Three models available**
 - High Flow: 5 to 30 L/min
 - Medium Flow: 0.50 to 5 L/min
 - Low Flow: 20 to 500 ml/min
- **CalChek® capability in medium and high flow models provides direct communication to CalChek-ready pumps for automatic calibration**
- **Certified volumetric accuracy is 1% of reading for ranges of 5 to 30 L/min (high flow), 750 to 5000 ml/min (medium flow), and 50 to 500 ml/min (low flow)**
 - 2.5% accuracy outside of above ranges
- **Average flow display feature**
- **Built-in sensors adjust for changes in temperature and atmospheric pressure**
- **Calibrated against NIST, UK, or ISO national standards in an ISO 17025-accredited laboratory**
 - NIST, UK, or ISO standards 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)
 - Models under 9 ounces (255 grams)
 - Compact for handheld use
- **9-volt alkaline battery operation**
 - Auto shut-off feature
- **No moving parts, use in any orientation**
- **Internal filter protects components from dust**



To learn more, visit www.skcinc.com



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How chek-mate Works

The SKC chek-mate Calibrators are highly accurate and reliable differential pressure airflow meters that incorporate 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-style calibrators.

chek-mate Calibrators with CalChek Feature

Medium Flow and High Flow chek-mate Calibrators feature CalChek automatic calibration for CalChek-ready AirChek® TOUCH and Leland Legacy® sample pumps. Used with the CalChek Communication Cable and pulsation dampener, calibration becomes simple and hands-free. Learn more at www.skcin.com.

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)
High Flow: 5 to 30 L/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
High Flow: 0.01 L/min

Accuracy: ±1% of reading for 750 to 5000 ml/min (Medium Flow), 50 to 500 ml/min (Low Flow), and 5 to 30 L/min (High Flow); 2.5% accuracy outside of above ranges for medium and low flow models

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

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

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

Power: One disposable 9-Volt alkaline battery (PP3/6LR61/1604A or equivalent) or 8.4-V NiMH (rechargeable - PP3/6HR1/8.4H5 or equivalent)

Run Time: Approximately 30 hrs, dependent on battery

Certifications: CE, UKCA

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)
High Flow - 8.6 oz (244 gm)

Ordering Information

Description	Flow Range	Cat. No.
High Flow chek-mate Calibrator with CalChek includes a 9-volt alkaline battery, CalChek automatic calibration with NIST standard traceable calibration certificate with UK standard traceable calibration certificate with ISO standard traceable calibration certificate kit with NIST standard traceable calibration certificate and pulsation dampener Cat. No. 375-150 kit with ISO standard traceable calibration certificate and pulsation dampener Cat. No. 375-150	5 to 30 L/min	375-50300N 375-50300 375-50300S 375-50300-KN 375-50300-KNS
Medium Flow chek-mate Calibrator with CalChek includes a 9-volt alkaline battery with NIST standard traceable calibration certificate with UK standard traceable calibration certificate with ISO standard traceable calibration certificate kit with NIST standard traceable calibration certificate and pulsation dampener Cat. No. 375-100 kit with ISO standard traceable calibration certificate and pulsation dampener Cat. No. 375-100	0.50 to 5 L/min	375-0550N 375-0550 375-0550S 375-0550-KN 375-0550-KNS
Low Flow chek-mate Calibrator includes a 9-volt alkaline battery with NIST standard traceable calibration certificate with UK standard traceable calibration certificate with ISO standard traceable calibration certificate	20 to 500 ml/min	375-00205N 375-00205 375-00205S
Accessories		
CalChek Communication Cable use with Cat. Nos. 375-0550N, 375-0550, 375-0550S, 375-50300N, 375-50300, and 375-50300S, required for CalChek automatic calibration of AirChek TOUCH and Leland Legacy sample pumps		375-200
Pulsation Dampeners , required for use with the following (also available in kits; see above) chek-mate Calibrator Cat. Nos. 375-0550N, 375-0550, and 375-0550S for CalChek full calibration of AirChek TOUCH pump chek-mate Calibrator Cat. Nos. 375-50300N, 375-50300, and 375-50300S for calibration of high flow pumps and CalChek calibration of Leland Legacy pump		375-100 375-150

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