chek-mate

The easy-to-use flowmeter from SKC Ltd.
Available in High 5.0-30 L/min, Medium 0.5 to 5 L/min
or Low Flow 20-500 ml/min models

SKC Europe

chek-mate

Key features

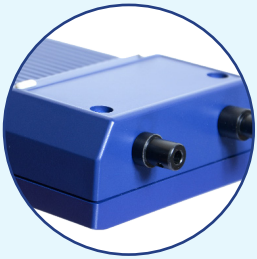
Three models to cover a range of flows
- High Flow: 5.0 to 30 L/min with CalChek
- Medium Flow: 0.5 to 5 L/min with CalChek
- Low Flow: 20 to 500 ml/min

- CalChek capability in the 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 5.0-30 L/min (high), 750 to 5000 ml/min (medium), 50 to 500 ml/min (low).
- 2.5% accuracy outside of above ranges.
- Built-in sensors adjust for changes in temperature and atmospheric pressure.
- Certified in accordance with ISO 17025.
- NIST or UKAS-traceable calibration certificate supplied.
- Moving-average flow reading updates and displays continuously.
- Sleek design is field portable for calibration anywhere, anytime and in any orientation.
- 18 x 8.3 x 3.3 cm (7.1 x 3.3 x 1.3 inches)
- Only 236 grams (8.3 ounces)
- Compact for handheld use
- 9-volt alkaline battery operation
- Auto shut-off feature conserves battery
- No moving parts, use in any orientation
- Easy one-button operation
- Internal filter protects components from dust

High Flow chek-mate
Due to the nature of high flow diaphragm type sampling pumps, the flow pulsation that they exhibit may affect the accuracy of the high flow chek-mate (375-50300).
We are therefore recommending that the 375-50300 chek-mate is always used with a pulsation dampener (375-150).

Working Principle

Orifice type flowmeter - the flowmeter incorporates sensors to measure the pressure drop across an orifice and automatically corrects for changes in the air temperature and barometric pressure to provide the indicated volumetric flow rate reading.



Part Number	Description
375-0550	chek-mate flowmeter 0.5-5.00 L/min
375-00205	chek-mate flowmeter 20-500 ml/min
375-50300	chek-mate flowmeter 5.0-30 L/min
375-100	Pulsation Dampener for use with 375-0550
375-150	Pulsation Dampener for use with 375-50300
375-200	CalChek Cable for use with 375-0550
P37500	Alkaline replacement battery for 375 Flowmeters

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