

chek-mate Flow Meter

Statement of Conformity

This certifies that the product listed below has been processed, inspected and tested fully within the controls detailed in our ISO 9001:2008 (certified by BSI, certificate number: FM 24816) Quality Management System, and is in accordance with factory specifications.

Part No. 375-07550

Serial No. 16537194

Certificate No. 14482-04

Conditions of Calibration

Calibration Technician	Ambient Temperature (°C)	Atmospheric Pressure (mbar)	Relative Humidity (%)	Reference Instrument Used	Calibration Gas
PS	19.82	1010.15	52.05	OPI59B	Air

Calibration Results

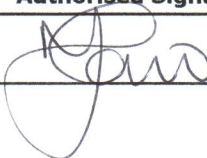
chek-mate Reading Qeut (ml/min)	Reference Instrument Reading Qref (ml/min)	Reference Instrument Used	Deviation ¹ (ml/min)	Deviation ² (% of reading)	chek-mate Accuracy Specification (% of reading)
751	751.23	OPI17	-0.23	-0.03%	1.00%
1001	1001.1	OPI17	-0.1	-0.01%	1.00%
2000	2004.4	OPI17	-4.4	-0.22%	1.00%
4000	3996.4	OPI17	3.6	0.09%	1.00%
5000	5001.5	OPI17	-1.5	-0.03%	1.00%

Reference Instrument List

OPI59A	Vaisala PTU303 pressure, temperature, humidity meter	Calibration date 14/12/2015
OPI59B	Vaisala PTU303 pressure, temperature, humidity meter	Calibration date 29/06/2015
OPI16	Bios ML-500 Flow Calibrator 5 – 500 ml/min	Calibration date 26/04/2016
OPI17	Bios ML-500 Flow Calibrator 50 – 5,000 ml/min	Calibration date 29/03/2016
OPI18	Bios ML-500 Flow Calibrator 500 – 50,000 ml/min	Calibration date 26/04/2016

Calibration Notes

- 1) Deviation (ml/min) = Qeut – Qref
- 2) Deviation (% of reading) = [(Qeut – Qref) / Qeut] x 100%.
- 3) Calibration was performed under negative pressure using a high flow vacuum pump as the flow source and precision needle valves to control the flow rate.
- 4) This certificate reports recorded values for the customer instrument after functional testing.
- 5) The reported values are the average of 10 readings.
- 6) All procedures employed and results reported are in compliance with the requirements of BS/EN/ISO/IEC 17025:2005.
- 7) The reference measurements reported in this certificate were performed using equipment with calibration by UKAS accredited calibration laboratories and traceable to UK national standards.
- 8) The uncertainty of the above measurements is ±[0.75% of the flow rate (+ resolution of the instrument)]. This expanded uncertainty is standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Authorised Signatory	Name	Date
	T. CORIO	31/6/2016



EU Declaration of Conformity

In accordance with the 2014/30/EU EMC and 2011/65/EU RoHS Directives

Manufacturer:

SKC Limited
11 Sunrise Park, Higher Shaftesbury Road, Blandford Forum, Dorset, DT11 8ST, United Kingdom

Declare under their sole responsibility that:

Product: chek-mate air flow meter

Model: 375-07550

Conforms with:

The essential requirements of Directive 2014/30/EU on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (EMC).

Applied standards:

EN 61326-1:2013

EN 61326-2-1:2013

Technical documentation:

The technical documentation is held at the manufacturer's address listed above.

Conforms with:

The essential requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Signed:

Name: Mrs T. Corio

Position: Managing Director

Date: 27th May 2016
