

# Manufacturer's Calibration Certificate

The following calibration data records the accuracy of this electronic flowmeter at the tested flow rates when compared  
 With NIST traceable volumetric primary standards. Cell DC-1 PCB, s/n B3417, certified 10/28/94 and DC-1 PCB,  
 s/n B4515, certified 12/03/2000.

Internal Unit #: 111974      Pressure (mm Hg): 770.0  
 Calibration Date: 2008-1-3      Temperature: 18.5  
 Recalibration Due: 2009-7-3      Rel. Humidity: 31.0

## Nitrogen/Air

Standard Flow	Veri-Flow	% Error
0.0	0.0	0.0
21.3	21.3	0.0
39.8	39.8	0.0
60.5	60.5	0.1
88.6	88.6	0.0
120.0	119.5	-0.4
151.4	151.7	0.2
199.2	199.7	0.2
250.6	250.4	-0.1
300.0	299.9	-0.0
348.6	348.3	-0.1
399.9	399.7	-0.0
450.1	450.4	0.1
499.9	500.2	0.1
548.9	548.7	-0.0

## Helium

Standard Flow	Veri-Flow	% Error
0.0	0.0	0.0
21.5	21.5	0.0
38.7	38.7	0.0
58.9	58.8	-0.0
88.4	88.4	-0.1
120.4	120.5	0.1
149.8	150.1	0.2
200.4	199.8	-0.3
249.8	250.0	0.1
299.2	299.3	0.0
349.4	349.6	0.1
398.8	398.5	-0.1
450.9	451.1	0.0
499.2	499.0	-0.0
550.5	550.6	0.0

## Hydrogen

Standard Flow	Veri-Flow	% Error
0.0	0.0	0.0
20.6	20.6	0.0
38.8	38.8	0.0
60.0	59.9	-0.0
89.4	89.3	-0.1
119.6	119.9	0.3
150.6	150.4	-0.2
198.8	198.5	-0.1
251.3	251.6	0.1
301.1	301.1	0.0
349.0	349.4	0.1
400.7	400.3	-0.1
449.0	448.9	-0.0
500.3	500.4	0.0
549.7	549.7	0.0

## Argon Methane (5%)

Standard Flow	Veri-Flow	% Error
0.0	0.0	0.0
19.6	19.6	0.0
41.1	41.1	0.0
59.0	59.1	0.1
89.2	89.1	-0.0
120.8	120.3	-0.4
150.2	150.7	0.3
199.2	199.8	0.3
249.8	249.4	-0.2
299.6	298.9	-0.2
351.3	351.0	-0.1
399.2	400.4	0.3
450.1	450.0	-0.0
498.8	498.2	-0.1
550.1	550.3	0.0

All Flows in sccm @ 760 mmHg, 22 deg C

Procedure No.: PC0903-26

Serial #: M0011974

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I.D.: MP-0109