



**Calibration Statement of Scope**  
ISO 17025\*

<b>I. THERMODYNAMICS</b>	
Temperature	-20°C to 200°C
Best Uncertainty:	0.3°C
Comment:	Ambient and Gas Temperatures

<b>II. FLUID QUANTITIES</b>	
Measurement of Gases:	1 sccm to 13,000 slm
Best Uncertainty:	0.2%
Comments:	Flow units, sccm and slm are defined in SEMI E12
Calibration of Pressure Devices:	1100 to $1 \times 10^{-6}$ Torr (146.65 to $1.33 \times 10^{-8}$ kPa)
Best Uncertainty:	1.0%
Comments:	Gauge, negative gauge and absolute

<b>III. ELECTRICAL</b>	
Electrical Calibration of Transducers and Flow meters	
<b><u>Range</u></b>	<b><u>Best Uncertainty</u></b>
(1 to 100) mV	0.006% + 3.5 $\mu$ V
100 mV to 1V	0.006% + 7 $\mu$ V
(1 to 10) V	0.006% + 50 $\mu$ V
(10 to 100) V	0.006% + 0.6 mV
10 mA	0.004 mA
100 mA	0.015 mA

<b>IV. ON-SITE CALIBRATION SERVICES</b>	
Flow Measurement of Gases:	1 sccm to 13,000 slm
Best Uncertainty:	0.2%
Comments:	Flow units, sccm and slm are defined in SEMI E12
Calibration of Pressure Devices:	$1 \times 10^{-6}$ to 1100 Torr ( $1.33 \times 10^{-8}$ to 146.65 kPa)
Best Uncertainty:	0.5 %
Comments:	Gauge, negative gauge and absolute

\*Non Accredited