

# Alicat Scientific, Inc.

7641 N. Business Park Dr., Tucson, AZ 85743 U.S.A.

## Calibration Data Sheet

Certification Number: 80434

**Customer:** Alicat Scientific, Inc.  
**Sales Order Number:** SO312640  
**Serial Number:** 87447  
**Model Number:** MLD-500SCCM-TFT-30PSIA-I  
**Software Version:** 4v10 (1v06)  
**Adder Codes:** 5M, GAS: Air  
**Process Gas:** Selectable  
**Calibration Gas:** Air  
**Range:** 500 SCCM  
**Gas Temperature:** 24.3 °C  
**Ambient Humidity:** 30%  
**Calibration Procedure/Rev. #:** DOC-AUTOCAL-GASFLOW/Rev. 78  
**Calibrated By:** Damian Crowley  
**Calibration Date:** 02/06/2013  
**Full Scale Pressure:** 30 PSIA  
**Full Scale Pressure Accuracy:** +/-0.5% of Full Scale  
**Temperature Accuracy:** +/-1.5 °C  
**Standard Temp. & Pressure:** 25°C, 14.6959 PSIA  
**Calibration due 1 yr. after receipt:**

### Equipment Used

<b>Temperature:</b>	TOOL-TEMP6	<b>Pressure:</b>	TOOL-PRESSURE6
Tool Due Date:	07/06/2013	Tool Due Date:	03/06/2013
Manufacturer/Model:	THERMCO/ACC1003BLS	Manufacturer/Model:	Alicat / P-30PSIG-D
Device Uncertainty:	+/- 0.2 deg C	Device Uncertainty:	+/- 0.2% of full scale
<b>Flow:</b>	TOOL-FLOW11	<b>Voltage:</b>	TOOL-CMTR15
Tool Due Date:	04/07/2013	Tool Due Date:	10/15/2013
Manufacturer/Model:	Alicat / MCAL-5E2C	Manufacturer/Model:	FLUKE 87V
Device Uncertainty:	+/- (0.3% Reading + 0.2% F.S.)	Device Uncertainty:	+/- (0.1% + 1 digit)

All test equipment used for calibration is NIST traceable.

### Calibration

**Uncertainty:** +/- (0.8% of Reading + 0.2% of Full Scale)  
**Units of measure:** SCCM

**Calibration Pressure:** N/A

#### Output 1 Configuration

mini-DIN pin #6 / Indust. Con. Pin # 6

#### Output 2 Configuration

mini-DIN pin #2

D.U.T.	Actual	In Tolerance	Output 1	Output 2
0.0	0.0	Yes	0.000 Vdc	5.12 Vdc
125.0	124.8	Yes	1.250 Vdc	5.12 Vdc
250.4	249.9	Yes	2.504 Vdc	5.12 Vdc
375.3	375.0	Yes	3.750 Vdc	5.12 Vdc
500.3	500.1	Yes	5.00 Vdc	5.12 Vdc

Tech Signature:



QC Signature:

Alicat Scientific, Inc. is an ISO 9001:2008 certified company.

CS1 Rev 16 Last Modified 01/18/2013