

# A&B ENVIRONMENTAL

## Certificate of Calibration

A&B ENVIRONMENTAL INC.  
ISO:  
17025: 2005  
COMPLIANT  
NIST TRACEABLE  
CALIBRATION LAB  
24 400 296A

Customer: ARL, Aberdeen MD.

BAR CODE 0880K

Manufacturer: TPS / Blue M Model: DCSA-326-F-ST350-hP

Serial # 0909000029 Calib. Date: 4/16/12

Cal. Interval 12 Months Next check Due: 4/16/13

This Instrument Has Been Calibrated to Manufacturers Specifications  
Using Standards Having Traceability To The National Institute Of Standards  
And Technology. Unless otherwise noted calibrations are performed using  
accuracies equal to one quarter of the specification of the unit under test, measurement  
uncertainties include a coverage factor of  $K=2$ , having a confidence level of 95%.

Measurement Uncertainty available upon request

Received Condition: In Tolerance

Returned Condition: In Tolerance

Test Performed By Karl Coal Date 4/16/12

Calibration Result: PASS

Cal. Record 12-033

A&B ENVIRONMENTAL  
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# CALIBRATION WORK SHEET



CUSTOMER: ARL, Aberdeen MD JOB # 12-033

CHAMBER MANUFACTURE TPS / Blue M

MODEL DESIGNATION DCSA-326-F-ST350-hP. BAR CODE 0880K

SERIAL NUMBER 0909000029

DATE READINGS TAKEN 4/16/12 TAKEN BY Kenneth Coad

NEXT CALIBRATION CHECK DUE. DATE 4/16/13

TIME	SETPOINT	SENSOR	LEADWIRE ERROR	COMPENSATED READING	TEMPERATURE CONVERSION	ERROR
3pm	160°F 71°C	127.54Ω	.37Ω	127.17Ω	70.25°C 158.45°F	.75°C 1.55°F
3:30pm	160°F 71°C	127.61Ω	.37Ω	127.24Ω	70.43°C 158.77°F	.57°C 1.23°F
4pm	250°F 121°C	147.00Ω	.37Ω	146.63Ω	121.53°C 250.75°F	.42°C .75°F
4:30pm	250°F 121°C	146.87Ω	.37Ω	146.50Ω	121.16°C 250.08°F	.05°C .08°F
5pm	350°F 176°C	167.29Ω	.37Ω	166.92Ω	175.83°C 348.49°F	.17°C .51°F
5:30pm	350°F 176°C	167.35Ω	.37Ω	166.98Ω	175.99°C 348.78°F	.01°C .22°F

NOTE: These reading are taken as close as possible to the control instrument sensor.

Control Tolerance  $\pm 1^{\circ}\text{C}$