



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Ashcroft, Inc.**  
**250 East Main Street**  
**Stratford, CT 06614**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 30 November 2021

Certificate Number: AC-2529



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory  
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Ashcroft, Inc.**  
250 East Main Street  
Stratford, CT 06614  
Phil Reed 203 385-0318  
phil.reed@ashcroft.com

### CALIBRATION

Valid to: **November 30, 2021**

Certificate Number: **AC-2529**

#### Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Generate DC Volts	Up to 30 VDC	1.7 $\mu$ V/V + 17 $\mu$ V	Krohn Hite Model 523 DC Source Calibrator
Generate DC Current	4 mA to 20 mA	83 $\mu$ A/A + 0.085 $\mu$ A	Krohn Hite Model 523 DC Source Calibrator
Measure DC Volts	Up to 11 VDC	190 $\mu$ V/V + 54 $\mu$ V	Keysight 34401A DMM
Measure DC Current	Up to 20 mA	172 $\mu$ A/A + 0.283 $\mu$ A	Keysight 34401A DMM
Measure DC Volts	Up to 11 VDC	150.3 $\mu$ V/V + 70.2 $\mu$ V	Keysight 34970A DMM
Measure DC Current	Up to 20 mA	160 $\mu$ A/A + 6.213 $\mu$ A	Keysight 34970A DMM

#### Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure/Vacuum	Up to 2.164 psig	29 ppm of reading + 0.000 003 3 psi	Fluke- FPG8601 Piston Gage
	(2.164 to 7.213) psig	0.009 5 % of reading + 0.000 33 psi	Fluke - DHI PPC3-200K Pressure Controller. Model PPC3-200K G200Ks/A160Ks Pressure Controller

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure/Vacuum	(-15 to 0.2) psig (0.2 to 15) psig (0.2 to 15) psia	0.002 % of reading + 0.000 081 psi 0.002 2 % of reading + 0.000 024 psi 0.002 2% of reading + 0.000 024 psi	Fluke - Ruska 2465-705 Deadweight Tester
	(15 to 600) psig (5 to 600) psia	0.001 7% of reading 0.001 7% of reading	Fluke - Ruska 2465-706 Deadweight Tester
	(600 to 12 000) psig (600 to 12 000) psia	0.008 7% of reading + 0.033 psi 0.008 7% of reading + 0.033 psi	Fluke – Ruska 2451 Pressure Controller

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2529.



R. Douglas Leonard Jr., VP, PILR SBU

