



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Link Engineering Company**  
**43855 Plymouth Oaks Boulevard**  
**Plymouth, MI 48170**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

and national standard

**ANSI/NCSL Z540-1-1994 (R2002)**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1146

Certificate Number

  
ANAB Approval

Certificate Valid: 10/01/2018-10/21/2020  
Version No. 004 Issued: 10/01/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005 AND  
ANSI/NCSL Z540-1-1994 (R2002)**

**Link Engineering Company**

43855 Plymouth Oaks Boulevard  
Plymouth, MI 48170  
Bridgette Cramton  
734-453-0800

**CALIBRATION**

Valid to: **October 21, 2020**

Certificate Number: **AC-1146**

**Electrical – DC/Low Frequency**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
DC Volt Sensors and Transducers	(0 to 10) V (0 to 60) V	0.001 V 0.03 V	Voltmeter

**Length – Dimensional Metrology**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Distance Sensor and Transducer Systems	Up to 1 in Up to 2 in Up to 6 in Up to 24 in	0.000 06 in 0.000 2 in 0.001 in 0.003 in	Digital Micrometer Gage Blocks, Micrometers and Digital Calipers
Angle	Up to 180 ° Up to 7 °	0.3 ° 0.02 °	Digital Protractor Angle Gage

**Thermodynamic**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Temperature Sensor and Transducer Systems	(-40 to 2 400) °F	0.7 °F	Thermocouple Calibrator
Relative Humidity Sensor and Transducer Systems	(10 to 95) % RH	2 % RH	RH Meter



**Mass and Mass Related**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Torque Sensor and Transducer Systems	Up to 1 000 lbf·in Up to 5 000 lbf·ft Up to 25 000 lbf·ft Up to 75 000 lbf·ft	0.6 lbf·in 8 lbf·ft 30 lbf·ft 180 lbf·ft	Lever Arm & Dead Weights Lever Arm, Ref Load Cell Lever Arm,,Ref Load Cell Lever Arm, Ref Load Cell
Pressure Sensor and Transducer Systems	Up to -15 psig Up to 200 psig Up to 3 000 psig Up to 5 000 psig Up to 7 500 psig	0.03 psi vacuum 0.3 psi 4 psi 8 psi 12 psi	Reference Transducer
Force Sensor and Transducer Systems	Up to 500 lbf Up to 500 lbf Up to 1 000 lbf Up to 5 000 lbf Up to 30 000 lbf Up to 50 000 lbf	0.1 lbf 0.5 lbf 0.9 lbf 5 lbf 60 lbf 84 lbf	Dead Weights Ref. Load Cell Ref. Load Cell Ref. Load Cell Ref. Load Cell
Liquid Volume Sensor	Up to 25 ml	0.1 ml	Buret
Air Velocity Sensor and Transducer Systems	(500 to 3 500) fpm	50 fpm	Anemometer

**Time and Frequency**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Rotational Speed Sensors and Transducers Systems	Up to 50 rpm Up to 20 000 rpm	0.1 rpm 3 rpm	Hand Held Tachometer

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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1146.

  
 Vice President