



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

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: 09/12/2016-10/21/2018
Version No. 002 Issued: 09/12/2016



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 January 2009).



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994**

Link Engineering Company

43855 Plymouth Oaks Boulevard Plymouth, MI 48170

Bridgette Cramton www.linkeng.com
b.cramton@linkeng.com Phone: 734-453-0800

CALIBRATION

Valid to: October 21, 2018

Certificate Number: AC-1146

I. Mechanical

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(±)]	Reference Standard or Equipment	Methods
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	WI-4.11-031
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 4.0 psi 8.0 psi 12 psi	Reference Transducer	WI-4.11-032
Rotational Speed Sensors and Transducers Systems	Up to 20 000 rpm	3 rpm	Hand Held Tachometer	WI-4.11-033
Force Sensor and Transducer Systems	Up to 500 lb Up to 500 lb Up to 1 000 lb Up to 5 000 lb Up to 30 000 lb	0.1 lb 0.5 lb 0.9 lb 5 lb 60 lb	Dead Weights Ref. Load Cell Ref. Load Cell Ref. Load Cell Ref. Load Cell	WI-4.11-037
Liquid Volume Sensor	Up to 25 ml	0.1 ml	Buret	WI-4.11-035
Air Velocity Sensor and Transducer Systems	(500 to 3 500) fpm	50 fpm	Anemometer	WI-4.11-039



II. Thermodynamic

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(\pm)]	Reference Standard or Equipment	Methods
Temperature Sensor and Transducer Systems	(-40 to 2 400) °F	0.7 °F	Thermocouple Calibrator	WI-4.11-034
Relative Humidity Sensor and Transducer Systems	(10 to 95) % RH	2 % RH	RH Meter	WI-4.11-040

III. Dimensional

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(\pm)]	Reference Standard or Equipment	Methods
Distance Sensor and Transducer Systems	Up to 1 in Up to 2 in Up to 6 in Up to 24 in	0.00006 in 0.0002 in 0.001 in 0.003 in	Digital Micrometer Gage Blocks, Micrometers and Digital Calipers	WI-4.11-036
Angle	Up to 180 ° Up to 7 °	0.3 ° 0.02 °	Digital Protractor Angle Gage	WI-4.11-063

IV. Electromagnetic – DC/Low Frequency

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(\pm)]	Reference Standard or Equipment	Methods
DC Volt Sensors and Transducers	(0 to 10) V	0.001 V	Voltmeter	WI-4.11-038

Notes:

1. Calibration and Measurement Uncertainties (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
2. Calibrations listed are typically performed in the field. Note extended temperature range.
3. This scope is formatted as a single document including the Certificate of Accreditation No. AC-1146.



 Vice President