



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

American Lab

6455 Almaden Expy #209 San Jose, CA 95120
Ken Silva Phone: 408-997-8911

CALIBRATION

Valid to: July 27, 2012

Certificate Number: AC-1468

I. Electromagnetic – DC/Low Frequency

Table with 5 columns: PARAMETER/EQUIPMENT, RANGE, CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)], REFERENCE STANDARD OR EQUIPMENT, METHOD(S). Rows include DC Voltage, AC Voltage, DC Current, and AC Current measurements.



II. Mechanical

PARAMETER/ EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Torque	(5 to 50) lbf·in	1.12 lbf·in	CDI Torque Tester	A/L Calibration Procedure 035
Force Tension and Compression	Up to 440 lbf	2.82 lbf	Digital Force Gage	A/L Calibration Procedure 039

III. Dimensional

PARAMETER/ EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Height Gages	Up to 24 in	600 μin	Gage Blocks Grade 2	A/L Procedure 007 (NAVAIR 17-20MD-07)
Calipers	Up to 24 in	600 μin	Gage Blocks Grade 2	A/L Procedure 004/005 (NAVAIR 17- 20MD-07)
Micrometers	Up to 12 in	(65.5 + 23L) μin	Gage Blocks Grade 2 Mic STD 1” to 11”	A/L Procedure 016 (NAVAIR 17-20MD- 20MD-96)
Pitch Diameter, External Threads	Up to 4 in	46 μin	Supermicrometer and thread wires	A/L Calibration Procedure 032
Dial Indicators	Up to 4 in	80 μin	Gage Blocks Grade 2	A/L Calibration Procedure 010 (NAVAIR 17-20MD-11)
Gage blocks	(0.05 to 1) in (1 to 4) in	(13.2 + 0.93L) μin (11.782 + 4.2L) μin	Gage Blocks Comparator	A/L Procedure 033 Federal Spec; ASME B89.1.9-2002

Notes:

1. *Calibration and Measurement Capabilities (CMC) (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of $k=2$.*
2. *This laboratory offers calibration services in its laboratory and on-site at customer-designated locations. 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.*
3. *CMC for Electromagnetic-DC/Low Frequency do not include possible contributions to uncertainty from a "best available" unit under test.*
4. *This scope is part of and must be included with Certificate of Accreditation ACT-1468.*



Vice President

