CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

ESPEC North America
4141 Central Parkway
Hudsonville MI 49426

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

ISO/IEC 17025:2005

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-2061
Certificate Number

ANAB Approval

Certificate Valid: 07/07/2016-07/07/2018
Version No. 001 Issued: 07/07/2016

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

ESPEC North America

4141 Central Parkway, Hudsonville, MI 49426
Richard Shippy Phone: 616-896-6100
rshippy@espec.com www.espec.com

CALIBRATION

Valid to: July 7, 2018 Certificate Number: AC-2061

I. Electrical DC/Low Frequency

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(±)]	Reference Standard or Equipment
DC Voltage - Generate	1.100 V 11.00 V	0.18 mV 2.9 mV	Fluke 741B
DC Current - Generate	(4 to 22) mA	0.3 mA	Fluke 741B
Electrical Simulation of Thermocouple Systems, Type T	(-200 to 0) °C (0 to 400) °C	0.57 °C 0.44 °C	Fluke 741B
Type K	(-100 to 800) °C	0.55 °C	Fluke 741B

II. Thermodynamic

Parameter/ Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty(±)]	Reference Standard or Equipment
Relative Humidity	(0 to 100) %RH	4.2 %RH	Vaisala HMP77
Temperature	(-20 to 100) °C	0.83 °C	Vaisala HMP77

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of k=2.
2. This scope also covers calibrations made at customer designated locations (on-site).
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2061

500 Montgomery St. Suite 625 | Alexandria, VA 22314 | 703-836-0025 | www.anab.org