

CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

TSI Incorporated

500 Cardigan Road Shoreview, MN 55126

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

ISO/IEC 17025:2017

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 activities to which this accreditation applies

AC-2850 Certificate Number



Certificate Valid Through: 02/20/2022 Version No. 001 Issued: 02/20/2020





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 AND ANSI/NCSL Z540-1-1994 (R2002)

TSI Incorporated

500 Cardigan Road Shoreview, MN 55126 Larry Lemanski

CALIBRATION

Valid to: February 20, 2022 Certificate Number: AC-2850

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure Differential	(0 to 15) inH ₂ O	$0.21 \% \text{ of reading} + 0.003 1 \text{ inH}_2\text{O}$	MKS Pressure Transducer
Pressure – Barometric	(4 to 2 <mark>0) psia</mark>	0.021 psi	Setra 370 Pressure Gage
Air Velocity	(35 to 8 000) fpm	2.6 % of reading	Westenberg Engineering Pitot Tube

Thermodynamics

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature	0 °C	0.12 °C	ThermoFisher Scientific Temperature Baths
Humidity	(9.8 to 95) %RH	0.61 %RH	Thunder Scientific 2500 Humidity Chamber

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:

Version 001 Issued: February 20, 2020

- 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-2850.



