



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

TPF, Inc.
313 S. Wayne Avenue
Cincinnati, OH 45215

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 07 February 2027

Certificate Number: AC-1208



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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 17025:2017
AND
ANSI/NCSL Z540-1-1994 (R2002)**

TPF, Inc.
313 S. Wayne Avenue
Cincinnati, OH 45215
Eric Knudten
513-761-9968

CALIBRATION

Valid to: **February 7, 2027**

Certificate Number: **AC-1208**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure – Measuring Equipment	Up to 60 inH ₂ O	0.095 inH ₂ O	Comparison with Tri-Mount U-Tube Water Manometer Medium – OEM Fluid – Density 1.0
	Up to -28 inHg Vacuum	0.067 inHg	Comparison with Meriam Mercury Manometer Medium - Air
	Up to 70 inHg	0.079 inHg	Comparison with Meriam Mercury Manometer Medium - Air
	Up to 20 psi (20 to 50) psi (50 to 100) psi	0.015 psi 0.019 psi 0.026 psi	Comparison with Mensor Test Gage Medium - Nitrogen
	Up to 150 psi (150 to 300) psi (300 to 1 000) psi	0.24 psi 0.48 psi 1.4 psi	Comparison with Heise Test Gage Medium - Nitrogen

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
	Up to 1 000 psi (1 000 to 5 000) psi (5 000 to 10 000) psi	0.4 psi 2 psi 3.8psi	Comparison with Ametek DWT Medium - Oil

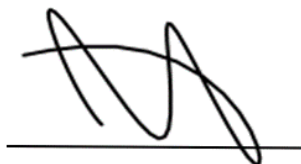
Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measuring Equipment	(-50 to 0) °C	0.06 °C	Comparison with Hart Scientific PRT, thermal baths
	(>0 to 100) °C	0.02 °C	
	(>100 to 200) °C	0.03 °C	
	(>200 to 250) °C	0.03 °C	
	(>250 to 300) °C	0.03 °C	
	(>300 to 400) °C	0.04 °C	
	(>400 to 500) °C	0.13 °C	
	(>500 to 600) °C	0.13 °C	
	(>600 to 660) °C	0.13 °C	

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. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1208.



Jason Stine, Vice President