



Certificate No.: 480-0875542  
Procedure No.: MFR

Control No.: 103428  
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**UNIT UNDER TEST**

**Manufacturer:** HEISE  
**Model No.:** PTE-2  
**Serial No.:** 21584  
**Cust. Ref. No.:**  
**Description:** PRESSURE CALIBRATOR  
**Date Rec'd:** 5/22/2019  
**Condition Rec'd:** GOOD

**SUBMITTED BY**

**Customer:** K&S TECHNICAL SERVICES, INC  
941 NEW LONDON ROAD  
NEWARK, DE 19711  
**P.O. #:** 10343  
**Precal:** IN SPEC      **Final:** IN SPEC

### CALIBRATION CERTIFICATE

All calibrations are performed by qualified personnel using instrumentation, procedures and methods which guarantee specifications claimed are reliable. When specified, all calibrations are performed in accordance with current ISO/IEC 17025, ANSI/NCSL Z-540-1, MIL-STD-45662A, and ENV/Pro-Lab Quality Manual - Rev 5. Standards used are traceable to The National Institute of Standards and Technology (NIST). Expanded uncertainties are calculated using methods described in the Guide to the Expression of Uncertainty of Measurement (GUM) utilizing a coverage factor of K=2 (95% confidence) and kept on file at Pro-Lab. At a minimum, standards are selected with an uncertainty of 25% or better, where possible. This certificate and/or data shall not be reproduced except in full, without the written permission of Pro-Lab Management.

**Standards Used**

Asset #	Description	Certificate Number	Date Due
1186	MULTIFUNCTION CALIBRATOR	52-VEN-13464	11/21/2019



Temperature: 24.2 C  
Humidity: 31.1 % RH  
Approved By: Joe Wickward  
Calibration Manager  
E-Signed 22-May-2019 1:08 PM

Date Tested: 22-May-2019  
Date Due: 22-May-2020  
Calibrated By: Keith Murray, Sr.  
Sr Calibration Technician  
E-Signed 22-May-2019 11:31 AM



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**CALIBRATION DATA**

The Cal Procedure was taken from the ATE-2 Operating Guide

Note: Calibration results may drift from documented values prior to calibration due date attributable to various factors. Results obtained apply to the UUT only and are reflective of conditions at the time of this test.

DCV						
Description	Standard	As Found	Final	Min	Max	Uncertainty
V	1.000	1.000	1.000	0.997	1.003	0.006
V	3.000	3.000	3.000	2.997	3.003	0.006
V	5.000	5.000	5.000	4.997	5.003	0.001
V	7.000	7.000	7.000	6.997	7.003	0.001
V	9.000	9.000	9.000	8.997	9.003	0.001
V	15.00	15.000	15.000	14.97	15.03	0.006
V	20.00	20.001	20.001	19.97	20.03	0.006
V	25.00	25.001	25.001	24.97	25.03	0.006
V	29.00	29.001	29.001	28.97	29.03	0.006
DCA						
Description	Standard	As Found	Final	Min	Max	Uncertainty
mA	2.000	2.001	2.001	1.993	2.007	0.001
mA	4.000	4.001	4.001	3.993	4.007	0.001
mA	6.000	6.002	6.002	5.993	6.007	0.001
mA	8.000	8.002	8.002	7.993	8.007	0.0012
mA	10.000	10.002	10.002	9.993	10.007	0.0016
mA	12.000	12.002	12.002	11.993	12.007	0.0018
mA	14.00	14.002	14.002	13.990	14.010	0.0064
mA	16.00	16.002	16.002	15.990	16.010	0.0085
mA	20.00	20.002	20.002	19.990	20.010	0.0089