



GWS Metrology Services

CBRE - GWS, LLC  
Metrology Services  
9410 Bunsen Parkway  
Suite 100B  
Louisville, KY 40220  
502-495-5700

Certificate Number  
CBRE-3902-TSM

# Calibration Certificate

Work Order  
70235

PO Number  
46417112

**Customer :**  
GE APPLIANCES - A HAIER COMPANY  
GE APPLIANCE PARK  
LOUISVILLE, KY 40225

**Date of Cal**  
**05-Dec-2023**  
**Cal Due Date\*\*\***  
**12/05/2024**

Asset Number : **11R151597**

Serial Number : **11R151597**

Description : **DRY TEST METER**

Department : **AP2**

Manufacturer : **AMERICAN METER**

Model Number : **DTM-200A**

Location : **WATER HEATER**

Condition As Received : **Meets Listed Specifications**

Condition As Returned : **Passed all Tests**

Subcontracted Vendor : **GRAFTEL, INC**  
**870 CAMBRIDGE DRIVE**  
**ELK GROVE VILLAGE, IL 60007**

Vendor Accreditation Body : **A2LA**

Accreditation # : **5827.01**

Vendor Cal Cert # : **111591**

Vendor Selected By : **CBRE SELECTED**

**AdditionalComments :**

Reviewed/approved

Reviewed By:

TIM MILLER2 - Metrologist

This is to certify the above listed instrument/gage has been inspected by an approved subcontractor of CBRE - GWS Metrology Services (JCIMS). Subcontractors selected by JCIMS are accredited to ISO-17025 unless otherwise noted. CBRE makes no warrantee for services provided by subcontractors that are chosen by the customer. This certificate acts as a mechanism to transfer custody to the end user.

\*\*\* Calibration due dates are only issued if requested by the customer and are based upon customer dictated recall intervals.

## CERTIFICATE OF NIST TRACEABLE CALIBRATION

Calibration Certificate No: 111591

### Customer Information

Customer: CBRE - GWS

Address: 9410 Bunsen Parkway, 100B Louisville KY 40220

Customer PO #: US120002706727



### Calibration Procedure Information

Procedure ID: GTP 1.1

Revision #: 10

### Calibration Standards Information

Graftel ID	Model #	Description	CAL Due
50864	760-100A	Paroscientific Absolute Pressure	5/16/2024
10127	352	Furness DeltaP Meter 0 to 10"H2O	4/1/2024
10126	10-0-30A	Graftel Gas Flow-D	4/17/2024
10126-T	9202	Graftel Temperature	8/6/2024
51202	760-100A	Paroscientific Absolute Pressure	5/16/2024
10101	10-0-300A	Graftel Gas Flow-E	4/17/2024
10101-T	9202	Graftel Temperature	8/6/2024
1A01JMGKP36		Graftel Barometric Pressure, Tank Farm	12/27/2023
T1830482	VAISALA / H MW95D	Vaisala Temp/RH Logger, Air Lab	12/20/2023

### Calibrated Device Information

Manufacturer: American Meter

Description: Gas Meter

Method Used: Laminar

Model #: DTM-200A

Rated Accuracy: +/-1% of Reading

Accuracy Specified By: American Meter

Instrument ID: GM1-1

Range: 0 - 250 cfm

Condition: Functional

Serial #: 11R151597

Calibration Date: 12/05/2023

Calibration Due: 12/05/2024

Comments:

*The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). The reported calibration uncertainty has a confidence level of 95% (k=2). A calibration uncertainty ratio of 4:1 was maintained unless required uncertainty is supported by analysis. Graftel Quality Assurance System complies with applicable requirements of ISO/IEC-17025-2017, ANSI/NCCL Z540-1-1994 and ISO 9001. All results contained within this certificate relate only to item(s) calibrated. This certificate shall not be reproduced except in full and with the written consent of Graftel. Acceptance Criteria per Simple Acceptance Rule: Measurement Uncertainty is not applied to the measured value when in/out of tolerance statement is made.*

Performed By  
Philip Davis  
Calibration Technician  
12/05/2023

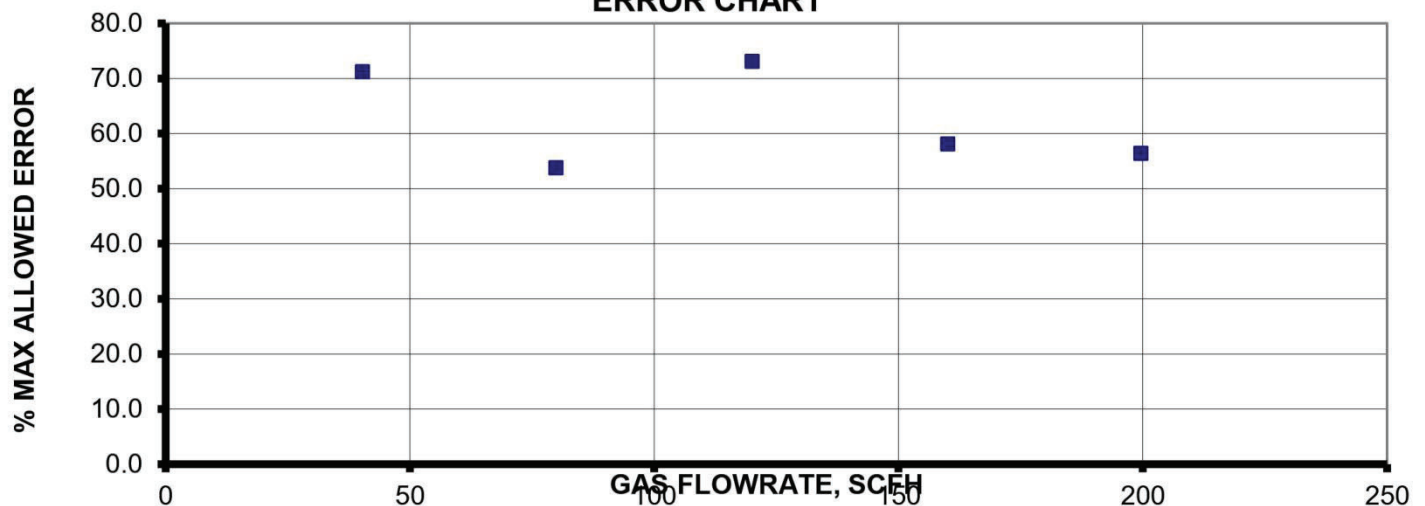
Approved/Issued By  
Janelle Gabriel  
QA Specialist  
12/07/2023

**ATTACHMENT TO CALIBRATION CERTIFICATE 111591  
AS FOUND / AS LEFT DATA**

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Air Flow Rate From Standard, scfh	Nat Gas, scfh	Actual Air Volume Flowed, cf	Lower Limit Indicated Flow Volume, cf	Indicated Flow Volume From DUT, cf	Upper Limit Indicated Flow Volume, cf	Measurement Uncertainty, cf	STATUS	% PROOF
40.258	50.323	1.489	1.474	1.50	1.504	0.007	Pass	99.292
79.894	99.868	2.785	2.757	2.80	2.813	0.014	Pass	99.465
120.033	150.041	3.971	3.931	4.00	4.011	0.020	Pass	99.274
160.095	200.119	5.071	5.020	5.10	5.121	0.025	Pass	99.422
199.602	249.503	5.966	5.907	6.00	6.026	0.030	Pass	99.439

**ERROR CHART**



**INSTRUMENT SPECIFICATIONS**

Test Gas	Air	
Standard Pressure	14.73	psia
Standard Temp	60	F
Gas Caled for	Natural Gas	
Full Scale Flow Rate	250	cfh Natural Gas with SG =0.64
Rated Accuracy	1	% Rding

**LABORATORY AMBIENT CONDITIONS**

Pressure	14.34	psia
Humidity	24.71	% RH
Temperature	69.41	F

FLOW • TEMPERATURE • HUMIDITY • PRESSURE • CONSULTING • ENGINEERING

**GRAFTEL**  
An  Company

[WWW.GRAFTEL.COM](http://WWW.GRAFTEL.COM)

**NIST Traceable Calibration Data Sheet**

95 CHANCELLOR DRIVE, ROSELLE, ILLINOIS 60172

PHONE: (847) 364-2600