



Certificate of Calibration

Certificate Number: 69577
Date of Issue: January 22, 2009

"Your Total Test Equipment Solution Provider!"

Calibration Performed For:

JOHN DOE COMPANY, INC.
1234 MAIN ST
ANYTOWN, USA 77777
Phone: 972-999-1111
Contact: JIMMY GARFUNKLE

Equipment Information

Asset Number: JDC1008
Manufacturer: HEWLETT PACKARD
Model Number: 34401A
Description: DIGITAL MULTIMETER
Serial Number: MY47850236

Calibration Statistics

Cal Date: 04/16/2008
Cal Due: 04/16/2009
Calibration Result: **PASS**
Cal. Interval: 12 MONTHS
Performed By: PERRY MURBARGER
Calibration Location: MAT LAB
Comments/Notes:

Received Condition: IN TOLERANCE
Returned Condition: IN TOLERANCE
Temperature: 73 F Humidity: 41 %
Cal Procedure: MATTX00071
Department:
Purchase Order:

Measurement Assurance hereby certifies that...

the above described instrument met or exceeded all published specifications at the time of calibration specified above; and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST) within the limitations of the Institute's calibration services, or have been derived from accepted values, physical constants, by ratio or self calibration techniques. All calibration activities performed are in compliance with ANSI/NCSS Z-540-1-1994, MIL STD 45662A, and ISO/IEC 17025 when specified, as well as other national/international systems guidelines. The Quality System is ISO 9001-2000 Certified. This report shall not be reproduced, except in full, without the written permission of Measurement Assurance Technology.

All calibrations, unless otherwise noted, are performed using accuracies of less than or equal to one quarter of the specification of the unit under test. When applicable, the measurement uncertainties include a coverage factor of k=2, having a confidence level of 95%.

Test Points

Seq.	Description	Standard	Tolerance -	As Found	As Left	Tolerance +	Result
1	DC mV	100.0000	99.9915	100.0010	100.0010	100.0085	
2	DCV	1.000000	0.999953	1.000007	1.000007	1.000047	
3	DCV	10.00000	9.99960	10.00011	10.00011	10.00040	
4	DCV	-10.00000	-10.00040	-10.00010	-10.00010	-9.99960	
5	DCV	-5.00000	-5.00023	-5.00005	-5.00005	-4.99977	
6	DCV	5.00000	4.99977	5.00006	5.00006	5.00023	
7	DCV	100.0000	99.9949	100.0012	100.0012	100.0051	
8	DCV	1000.000	999.945	1000.019	1000.019	1000.055	
9	AC mV @ 20 Hz	100.0000	99.9000	99.9221	99.9221	100.1000	
10	AC mV @ 20 KHz	100.0000	99.9000	99.9339	99.9339	100.1000	
11	AC mV @ 50 KHz	100.0000	99.8300	99.9046	99.9046	100.1700	
12	AC mV @ 100 KHz	100.0000	99.3200	99.8565	99.8565	100.6800	
13	AC mV @ 300 KHz	100.0000	95.5000	99.7667	99.7667	104.5000	
14	ACV @ 20 Hz	1.000000	0.999100	0.999178	0.999178	1.000900	
15	ACV @ 20 KHz	1.00000	0.99910	0.99937	0.99937	1.00090	
16	ACV @ 50 KHz	1.000000	0.998300	0.999357	0.999357	1.001700	
17	ACV @ 100 KHz	1.000000	0.993200	0.999658	0.999658	1.006800	
18	ACV @ 300 KHz	1.000000	0.955000	1.004958	1.004958	1.045000	
19	ACV @ 20 Hz	10.00000	9.99100	9.99128	9.99128	10.00900	
20	ACV @ 20 KHz	10.00000	9.99100	9.99258	9.99258	10.00900	
21	ACV @ 50 KHz	10.00000	9.98300	9.99428	9.99428	10.01700	

Quality Approved:



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Seq.	Description	Standard	Tolerance -	As Found	As Left	Tolerance +	Result
22	ACV @ 100 KHz	10.00000	9.93200	10.00588	10.00588	10.06800	
23	ACV @ 300 KHz	10.00000	9.55000	10.09001	10.09001	10.45000	
24	ACV @ 20 Hz	100.0000	99.9100	99.9815	99.9815	100.0900	
25	ACV @ 20 KHz	100.0000	99.9100	99.9997	99.9997	100.0900	
26	ACV @ 50 KHz	100.0000	99.8300	100.0243	100.0243	100.1700	
27	ACV @ 100 KHz	100.0000	99.3200	100.0987	100.0987	100.6800	
28	ACV @ 220 KHz	100.0000	95.5000	100.4938	100.4938	104.5000	
29	ACV @ 20 Hz	200.000	199.655	199.966	199.966	200.345	
30	ACV @ 1 KHz	750.000	749.325	750.091	750.091	750.675	
31	DC mA	10.00000	9.99300	10.00475	10.00475	10.00700	
32	DC mA	100.00000	99.94500	100.04765	100.04765	100.05500	
33	DCA	1.000000	0.998900	0.999962	0.999962	1.001100	
34	DCA	1.90000	1.89712	1.89991	1.89991	1.90288	
35	AC mA @ 10 Hz	0.2000	0.1994	0.1999	0.1999	0.2006	
36	AC mA @ 5 KHz	0.2000	0.1994	0.1999	0.1999	0.2006	
37	ACA @ 40 Hz	2.0000	1.9952	1.9976	1.9976	2.0048	
38	ACA @ 5 KHz	2.0000	1.9952	1.9986	1.9986	2.0048	
39	Resistance Ohms	100.000	99.986	100.009	100.009	100.014	
40	Resistance K Ohms	1.00000	0.99989	0.99996	0.99996	1.00011	
41	Resistance K Ohms	10.0000	9.9989	9.9992	9.9992	10.0011	
42	Resistance K Ohms	100.000	99.989	99.995	99.995	100.011	
43	Resistance M Ohms	1.00000	0.99989	0.99997	0.99997	1.00011	
44	Resistance M Ohms	10.0000	9.9959	9.9988	9.9988	10.0041	
45	Resistance M Ohms	100.000	99.919	100.054	100.054	100.081	

Standards Used To Calibrate Equipment

Trace Number	Manufacturer	Model	Description	Last Cal.	Cal. Due Date
A1165	FLUKE	5725A	AMPLIFIER	3/21/08	3/21/09
A1166	FLUKE	5700A	CALIBRATOR	3/21/08	3/21/09

Quality Approved: 