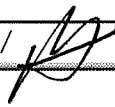




Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5776
Probe S/N	HPB-375-5291
Extension Cable	EC-3421
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

Customer	SURA/ Jefferson Lab
Job#	60-28191
Date	Thu, Oct 4, 2001 @ 11:10 AM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 1	
Nominal Adjustment Points	
	(mm) Dial
OFFSET	0.3250 0
GAIN	1.6250 0
BREAK 1	2.2750
LIN 1	3.9000
BREAK 2	4.8750
LIN 2	NOT USED

Drive		@	
Voltage p-p	6.00		TP 1
Hi/Lo Selection	LO	@	W 3

Lab Temperature	0.0 °C
Lab Humidity	0.0 %

Notes

STANDARDS TRACABLE TO N.I.S.T

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.324	0.324	0.325
0.6500	0.650	0.650	0.650
0.9750	0.976	0.975	0.975
1.3000	1.300	1.300	1.300
1.6250	1.622	1.622	1.625
1.9500	1.945	1.945	1.950
2.2750	2.275	2.275	2.275
2.6000	2.607	2.607	2.600
2.9250	2.937	2.938	2.925
3.2500	3.266	3.266	3.250
3.5750	3.591	3.592	3.575
3.9000	3.911	3.912	3.900
4.2250	4.231	4.231	4.225
4.5500	4.554	4.555	4.550
4.8750	4.883	4.884	4.875
5.2000	5.212	5.213	5.200
5.5250	5.537	5.538	5.525
5.8500	5.851	5.852	5.850
6.1750	6.156	6.157	6.175
6.5000	6.445	6.447	6.500

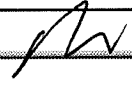


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Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5734
Probe S/N	HPB-375-5292
Extension Cable	EC-3422
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

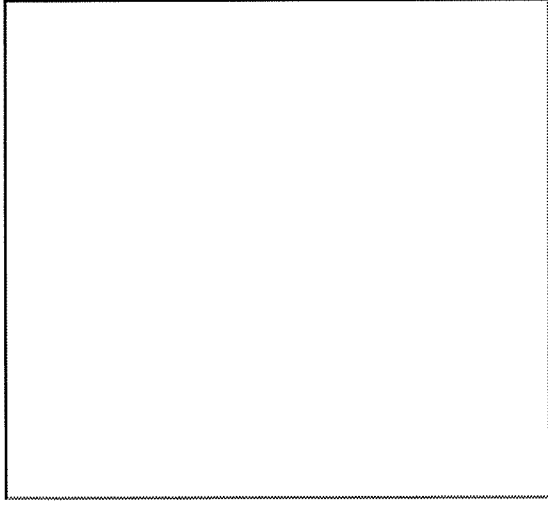
Customer	SURA/ Jefferson Lab
Job #	60-28191
Date	Thu, Oct 4, 2001 @ 11:23 AM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 2	
Nominal Adjustment Points	
	(mm) Dial
OFFSET	0.3250 0
GAIN	1.6250 0
BREAK 1	2.2750
LIN 1	3.9000
BREAK 2	4.8750
LIN 2	NOT USED

Drive Voltage p-p	6.00	@	TP 1
Hi/Lo Selection	LO	@	W 3

Lab Temperature	0.0 °C
Lab Humidity	0.0 %

Notes



STANDARDS TRACABLE TO N.I.S.T.

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.327	0.326	0.325
0.6500	0.653	0.653	0.650
0.9750	0.979	0.978	0.975
1.3000	1.303	1.303	1.300
1.6250	1.625	1.625	1.625
1.9500	1.947	1.949	1.950
2.2750	2.273	2.274	2.275
2.6000	2.603	2.604	2.600
2.9250	2.933	2.925	2.925
3.2500	3.261	3.262	3.250
3.5750	3.584	3.585	3.575
3.9000	3.903	3.905	3.900
4.2250	4.222	4.224	4.225
4.5500	4.545	4.546	4.550
4.8750	4.874	4.875	4.875
5.2000	5.201	5.202	5.200
5.5250	5.527	5.525	5.525
5.8500	5.840	5.841	5.850
6.1750	6.142	6.144	6.175
6.5000	6.432	6.433	6.500

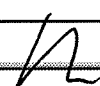


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Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5811
Probe S/N	HPB-375-5293
Extension Cable	EC-3423
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

Customer	SURA/ Jefferson Lab
Job#	60-28191
Date	Thu, Oct 4, 2001 @ 11:34 AM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 3		
Nominal Adjustment Points		
	(mm)	Dial
OFFSET	0.3250	0
GAIN	1.6250	0
BREAK 1	2.2750	
LIN 1	3.9000	
BREAK 2	4.8750	
LIN 2	NOT USED	

Drive Voltage p-p	6.00	@	TP 1
Hi/Lo Selection	LO	@	W 3

Lab Temperature	0.0	°C
Lab Humidity	0.0	%

Notes

STANDARDS TRACABLE TO N.I.S.T.

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.326	0.325	0.325
0.6500	0.652	0.652	0.650
0.9750	0.977	0.977	0.975
1.3000	1.302	1.303	1.300
1.6250	1.624	1.625	1.625
1.9500	1.948	1.949	1.950
2.2750	2.274	2.274	2.275
2.6000	2.605	2.606	2.600
2.9250	2.931	2.933	2.925
3.2500	3.259	3.260	3.250
3.5750	3.582	3.584	3.575
3.9000	3.900	3.903	3.900
4.2250	4.220	4.225	4.225
4.5500	4.545	4.548	4.550
4.8750	4.875	4.878	4.875
5.2000	5.203	5.205	5.200
5.5250	5.525	5.527	5.525
5.8500	5.837	5.850	5.850
6.1750	6.137	6.141	6.175
6.5000	6.426	6.428	6.500



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Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5812
Probe S/N	HPB-375-5294
Extension Cable	EC-3424
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

Customer	SURA/ Jefferson Lab
Job#	60-28191
Date	Thu, Oct 4, 2001 @ 11:44 AM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 4		
Nominal Adjustment Points		
	(mm)	Dial
OFFSET	0.3250	0
GAIN	1.6250	0
BREAK 1	2.2750	
LIN 1	3.9000	
BREAK 2	4.8750	
LIN 2	NOT USED	
Drive Voltage p-p 6.00 @ TP 1		
Hi/Lo Selection LO @ W 3		
Lab Temperature 0.0 °C		
Lab Humidity 0.0 %		
Notes		
STANDARDS TRACABLE TO N.I.S.T.		

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.324	0.323	0.325
0.6500	0.650	0.650	0.650
0.9750	0.977	0.976	0.975
1.3000	1.302	1.302	1.300
1.6250	1.624	1.625	1.625
1.9500	1.947	1.948	1.950
2.2750	2.272	2.273	2.275
2.6000	2.603	2.604	2.600
2.9250	2.933	2.934	2.925
3.2500	3.262	3.265	3.250
3.5750	3.585	3.586	3.575
3.9000	3.904	3.907	3.900
4.2250	4.220	4.223	4.225
4.5500	4.544	4.547	4.550
4.8750	4.872	4.875	4.875
5.2000	5.204	5.208	5.200
5.5250	5.528	5.532	5.525
5.8500	5.847	5.851	5.850
6.1750	6.151	6.155	6.175
6.5000	6.442	6.448	6.500

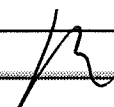


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Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5789
Probe S/N	HPB-375-5295
Extension Cable	EC-3425
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

Customer	SURA/ Jefferson Lab
Job#	60-28191
Date	Thu, Oct 4, 2001 @ 12:00 PM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 5	
Nominal Adjustment Points	
	(mm) Dial
OFFSET	0.3250 0
GAIN	1.6250 0
BREAK 1	2.2750
LIN 1	3.9000
BREAK 2	4.8750
LIN 2	NOT USED

Drive Voltage p-p	6.00	@	TP 1
Hi/Lo Selection	LO	@	W 3

Lab Temperature	0.0	°C
Lab Humidity	0.0	%

Notes

STANDARDS TRACABLE TO N.I.S.T.

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.325	0.325	0.325
0.6500	0.654	0.653	0.650
0.9750	0.980	0.979	0.975
1.3000	1.304	1.305	1.300
1.6250	1.625	1.626	1.625
1.9500	1.949	1.950	1.950
2.2750	2.274	2.275	2.275
2.6000	2.603	2.605	2.600
2.9250	2.935	2.936	2.925
3.2500	3.262	3.265	3.250
3.5750	3.587	3.590	3.575
3.9000	3.906	3.909	3.900
4.2250	4.226	4.229	4.225
4.5500	4.550	4.553	4.550
4.8750	4.883	4.887	4.875
5.2000	5.214	5.218	5.200
5.5250	5.538	5.541	5.525
5.8500	5.851	5.854	5.850
6.1750	6.153	6.157	6.175
6.5000	6.439	6.443	6.500

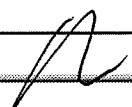


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Calibration Data Sheet

Amp P/N; S/N	4100-SL; 4100-5791
Probe S/N	HPB-375-5296
Extension Cable	EC-3426
Rack S/N	4008-1882
Clock/Meter S/N	4100CM3-1839

Customer	SURA/ Jefferson Lab
Job #	60-28191
Date	Thu, Oct 4, 2001 @ 12:05 PM
Standards	50, 123, 156
Technician	Mike Welton / 

Channel 6		
Nominal Adjustment Points		
	(mm)	Dial
OFFSET	0.3250	0
GAIN	1.6250	0
BREAK 1	2.2750	
LIN 1	3.9000	
BREAK 2	4.8750	
LIN 2	NOT USED	
Drive Voltage p-p 6.00 @ TP 1		
Hi/Lo Selection LO @ W 3		
Lab Temperature		0.0 °C
Lab Humidity		0.0 %
Notes		
STANDARDS TRACABLE TO N.I.S.T.		

Cal. Points (mm)	Output (VDC)	Front Panel Meter	Nominal (VDC)
0.3250	0.322	0.321	0.325
0.6500	0.649	0.648	0.650
0.9750	0.974	0.974	0.975
1.3000	1.300	1.301	1.300
1.6250	1.623	1.623	1.625
1.9500	1.948	1.949	1.950
2.2750	2.274	2.275	2.275
2.6000	2.605	2.607	2.600
2.9250	2.934	2.936	2.925
3.2500	3.262	3.250	3.250
3.5750	3.585	3.587	3.575
3.9000	3.907	3.909	3.900
4.2250	4.227	4.230	4.225
4.5500	4.553	4.550	4.550
4.8750	4.885	4.888	4.875
5.2000	5.217	5.221	5.200
5.5250	5.543	5.547	5.525
5.8500	5.858	5.863	5.850
6.1750	6.163	6.168	6.175
6.5000	6.454	6.459	6.500



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PROBE MODEL: *HPB-325A-A-L2-5-B-D*
PROBE S/N: *5295*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *172pf*

DM



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(978) 772-6033

PROBE MODEL: *HPB-325A-A-L2-5-B-D*
PROBE S/N: *5294*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *170pf*

DM



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(978) 772-6033

PROBE MODEL: *HPB-325A-A-L2-5-B-D*
PROBE S/N: *5296*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *168pf*

DM



P.O. Box 819,87 Fitchburg Rd., Ayer, MA 01432 U.S.A.
(978) 772-6033

PROBE MODEL: *HPB-375A-A-12-5-B-D*
PROBE S/N: *5291*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *163 pf*

TM



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PROBE MODEL: *HPB-375A-A-12-5-B-D*
PROBE S/N: *5292*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *167 pf*

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PROBE MODEL: *HPB-375A-A-12-5-B-D*
PROBE S/N: *5293*
SENSOR TO GUARD RESISTANCE: >20 Megohms
SENSOR TO GROUND RESISTANCE: >20 Megohms
GUARD TO GROUND RESISTANCE: >20 Megohms
SENSOR TO GUARD CAPACITANCE:
FINAL INSPECTION: *164 pf*

TM