

Model 928A Calibration Report vs Certificate of Compliance

Every Model 928A purchased from Arbiter Systems is calibrated at time of manufacture. A calibration report is created at this time and includes a list of calibration constants and measurements. This information is included with each Model 928A along with a statement of calibration practices.

A Certificate of Compliance and Traceability can also be purchased for a nominal fee. The Certificate of Compliance and Traceability option includes a dated and signed document certifying the purchased equipment meets or exceeds it's specifications with accuracy traceable to NIST. In addition to the certificate, there is a dated verification report, dated calibration report, and the cal dates (cal and due) are entered into each unit.

Standard Calibration Report Sample (PD0036200 included with each unit):

ARBITER SYSTEMS STATEMENT OF CALIBRATION PRACTICES

Arbiter Systems hereby certifies that this product was calibrated to Arbiter's standard calibration procedures during its manufacturing process. The Calibration procedures are designed to assure that the instrument will meet or exceed its published specifications.

Arbiter Systems further certifies that the measurement standards and instruments used during the calibration of this product are traceable to the United States National Institute of Standards and Technology (NIST). This document is not a certificate of calibration or traceability.

To obtain a certificate of calibration, contact Arbiter Systems. A nominal fee is charged for calibration services and a Certificate of Calibration.

John McClenathen

Quality Assurance Manager
Arbiter Systems Inc.

Model 928A Power System Multimeter
Calibration Report

Serial Number: XXXX

Calibration Constants

	Pre Cal	Post Cal	Delta
VmagA	-1.165e-03	-1.400e-03	2.348e-04
VmagB	-1.284e-03	-1.529e-03	2.451e-04
VphaseB	1.118e-05	-7.262e-06	1.844e-05
ImagA	-2.374e-04	-1.461e-04	9.136e-05
ImagB	-4.979e-04	-4.153e-04	8.261e-05
IVmagA	-6.827e-04	3.203e-05	7.148e-04
IVmagB	-7.077e-04	-1.605e-04	5.472e-04
IphaseA	-1.904e-03	-8.290e-03	6.386e-03
IphaseB	-1.722e-03	-8.337e-03	6.615e-03
IVphaseA	-6.841e-03	-7.381e-03	5.404e-04
IVphaseB	-6.853e-03	-7.395e-03	5.423e-04

Measurement Error

Parameter	PreCal	Zero Cal	Post Cal	Specification	Units	
VmagA	-0.0234	-0.1402	0.0001	0.1000	%	PASS
VmagB	-0.0244	-0.1531	0.0001	0.1000	%	PASS
VphaseB	0.0010	0.0004	0.0001	0.1000	degree	PASS
ImagA	0.0092	-0.0146	-0.0001	0.1000	%	PASS
ImagB	0.0083	-0.0415	-0.0001	0.1000	%	PASS
IVmagA	0.0715	0.0032	0.0001	0.1000	%	PASS
IVmagB	0.0547	-0.0161	0.0001	0.1000	%	PASS
IphaseA	-0.3667	-0.4750	0.0007	0.1000	degree	PASS
IphaseB	0.3784	0.4777	0.0003	0.1000	degree	PASS
IVphaseA	-0.0309	-0.4229	0.0012	0.1000	degree	PASS
IVphaseB	0.0310	0.4237	-0.0001	0.1000	degree	PASS

Certificate of Compliance and Traceability* (available for nominal fee) sample:



Certificate of Compliance and Traceability

We hereby certify that the equipment supplied on the below Purchase Order conforms to all Arbiter Systems Incorporated specifications for materials and processes.

All of the measuring equipment used at Arbiter Systems Incorporated for determining instrument specifications is periodically inspected, with calibration accuracy traceable to the National Institute of Standards and Technology.

Customer:
Customer P/O #: _____
ASI Job #: _____ Dated _____
Instrument Covered: 928A Power System Multimeter
Serial Number: _____
Calibration Valid: through _____

John McClenathen

Quality Assurance Manager
Arbiter Systems Inc.

Date: _____

Model 928A Power System Multimeter Calibration Report

Serial Number: XXXX

Date: 20 JUN 2019
Time: 18:03

Calibration Constants

	Pre Cal	Post Cal	Delta
VmagA	-1.165e-03	-1.400e-03	2.348e-04
VmagB	-1.284e-03	-1.529e-03	2.451e-04
VphaseB	1.118e-05	-7.262e-06	1.844e-05
ImagA	-2.374e-04	-1.461e-04	9.136e-05
ImagB	-4.979e-04	-4.153e-04	8.261e-05
IVmagA	-6.827e-04	3.203e-05	7.148e-04
IVmagB	-7.077e-04	-1.605e-04	5.472e-04
IphaseA	-1.904e-03	-8.290e-03	6.386e-03
IphaseB	-1.722e-03	-8.337e-03	6.615e-03
IVphaseA	-6.841e-03	-7.381e-03	5.404e-04
IVphaseB	-6.853e-03	-7.395e-03	5.423e-04

Measurement	Error					
Parameter	PreCal	Zero Cal	Post Cal	Specification	Units	
VmagA	-0.0234	-0.1402	0.0001	0.1000	%	PASS
VmagB	-0.0244	-0.1531	0.0001	0.1000	%	PASS
VphaseB	0.0010	0.0004	0.0001	0.1000	degree	PASS
ImagA	0.0092	-0.0146	-0.0001	0.1000	%	PASS
ImagB	0.0083	-0.0415	-0.0001	0.1000	%	PASS
IVmagA	0.0715	0.0032	0.0001	0.1000	%	PASS
IVmagB	0.0547	-0.0161	0.0001	0.1000	%	PASS
IphaseA	-0.3667	-0.4750	0.0007	0.1000	degree	PASS
IphaseB	0.3784	0.4777	0.0003	0.1000	degree	PASS
IVphaseA	-0.0309	-0.4229	0.0012	0.1000	degree	PASS
IVphaseB	0.0310	0.4237	-0.0001	0.1000	degree	PASS

Model 928A Power System Multimeter Verification Report

Serial Number: XXXX

Date: 20 JUN 2019
Time: 18:03

Measurement Error

Parameter	Specification	60Hz	50Hz	Units	
VmagA	0.1000	-0.0039	-0.0032	Percent	PASS
VmagB	0.1000	-0.0040	-0.0036	Percent	PASS
ImagA	0.1000	-0.0032	-0.0014	Percent	PASS
IVmagA	0.1000	0.0323	0.0306	Percent	PASS
ImagB	0.1000	-0.0033	-0.0013	Percent	PASS
IVmagB	0.1000	0.0322	0.0305	Percent	PASS
VphaseB	0.1000	0.0001	0.0000	Degree	PASS
IphaseA	0.1000	0.0013	-0.0054	Degree	PASS
IVphaseA	0.1000	-0.0120	-0.0417	Degree	PASS
IphaseB	0.1000	-0.0023	0.0114	Degree	PASS
IVphaseB	0.1000	0.0122	0.0428	Degree	PASS
Frequency	0.0050	0.0001	0.0001	Percent	PASS

*Calibration performed and dated within 30 days of shipping.