



Standard Meter Lab. Inc.

Certificate of Calibration

ISO



Customer: XYZ Incorporated
Address: 904 City Street Any Place, CA 98754

#US4461c
Contact: Bob Row

Instrument Identification

System ID: 1011747
Tool #: T-3750
Instrument: Fluke Electronics #376 Clamp Meter, True RMS
Range: 1000 A AC/DC (2500AAC W/lflex)

Serial #: 14470002
Property #: 63278

Test Results

Service Performed: Calibration
Date Calibrated: 01/02/2014
Location of Calibration: In House
Address: 236 Rickenbacker Circle Livermore, CA 94551
As Found Condition: In Tolerance
Environmental Conditions: 68.8 Deg.F 28.8% RH

Technician: Keith S. Lam
Date Due: 01/02/2015
Laboratory: Standard Meter Lab
As Left Condition: In Tolerance
Instruction Used: 37xUM

Technical Remarks

Condition: Received in good condition.

Analysis: Verified accuracy in accordance with the listed calibration instruction.

Calibration Standards

| ID# | Manufacturer | Model | Description | Due Date | NIST# |
|---------|-------------------|-----------|----------------------------|------------|-------|
| 1000154 | Fluke Electronics | 5522A/GHZ | Calibrator, Multi Function | 06/25/2014 | 81533 |

Calibrations are performed using standards traceable to NIST. Our calibration system complies with ANSI/NCSL Z540-1 and ISO/IEC 17025. This information applies only to the instrument identified above and may not be reproduced, except in full, without prior written consent. Reported uncertainties are expressed as expanded values at approximately the 95% confidence level using a coverage factor of K=2. There is no implied warranty that the instrument will maintain its specified tolerances during the calibration interval due to possible drift, environment or other factors beyond our control.

Approval Person: Robert J. Smith - Quality Assurance

Signature:

Date: 01/02/2014

Measurement Information

| Parameter | Unit | Setpoint | As Found | As Left | Lower Tol. | Upper Tol. | OT? |
|------------------------------|-------|----------|----------|---------|------------|------------|-----|
| Performance Tests - | | | - | - | | | - |
| AC Voltage - | | | - | - | | | - |
| 10 V @ 50 Hz | V AC | 10.0 | 9.9 | 9.9 | 9.4 | 10.7 | No |
| 500 V @ 50 Hz | V AC | 500.0 | 500.0 | 500.0 | 492.0 | 508.0 | No |
| 900 V @ 50 Hz | V AC | 900.0 | 901.0 | 901.0 | 882.0 | 919.0 | No |
| 500 V @ 500 Hz | V AC | 500.0 | 500.1 | 500.1 | 492.0 | 508.0 | No |
| DC Voltage - | | | - | - | | | - |
| -500 V dc | V DC | -500.0 | -499.7 | -499.7 | -505.0 | -494.5 | No |
| 10 V dc | V DC | 10.0 | 10.0 | 10.0 | 9.4 | 10.6 | No |
| 500 V dc | V DC | 500.0 | 499.7 | 499.7 | 494.5 | 505.5 | No |
| 900 V dc | V DC | 900.0 | 900.0 | 900.0 | 886.0 | 914.0 | No |
| DC MilliVolts - | | | - | - | | | - |
| -250 mV dc | mV DC | -250.0 | -250.0 | -250.0 | -253.0 | -247.0 | No |
| 50 mV dc | mV DC | 50.0 | 50.0 | 50.0 | 49.0 | 51.0 | No |
| 250 mV dc | mV DC | 250.0 | 250.0 | 250.0 | 247.0 | 253.0 | No |
| 450 mV dc | mV DC | 450.0 | 450.0 | 450.0 | 445.0 | 455.0 | No |
| Resistance - | | | - | - | | | - |
| 60 Ohms | Ohms | 60.0 | 59.8 | 59.8 | 58.9 | 61.1 | No |
| 300 Ohms | Ohms | 300.0 | 299.8 | 299.8 | 296.5 | 303.5 | No |
| 540 Ohms | Ohms | 540.0 | 539.8 | 539.8 | 534.1 | 545.9 | No |
| 3000 Ohms | Ohms | 3000 | 3000 | 3000 | 2965 | 3035 | No |
| 5400 Ohms | Ohms | 5400 | 5400 | 5400 | 5341 | 5459 | No |
| 30 kOhms | KOhm | 30.00 | 30.00 | 30.00 | 29.65 | 30.35 | No |
| 54 kOhms | KOhm | 54.00 | 54.01 | 54.01 | 53.41 | 54.59 | No |
| Capacitance - | | | - | - | | | - |
| 1000 uF | uF | 1000 | 1002 | 1002 | 875 | 1025 | No |
| AC Amps (CLAMP) - | | | - | - | | | - |
| 10 A @ 50 Hz | A AC | 10.0 | 9.8 | 9.8 | 9.3 | 10.7 | No |
| 500 A @ 50 Hz | A AC | 500.0 | 499.3 | 499.3 | 489.5 | 510.5 | No |
| 500 A @ 50 Hz | A AC | 500.0 | 499.3 | 499.3 | 489.5 | 510.5 | No |
| 700 A @ 50 Hz | A AC | 700.0 | 698.7 | 698.7 | 681.0 | 719.0 | No |
| 300 A @ 440 Hz | A AC | 300.0 | 301.0 | 301.0 | 292.0 | 308.0 | No |
| DC Amps - | | | - | - | | | - |
| 10 A dc | A DC | 10.0 | 9.8 | 9.8 | 9.3 | 10.7 | No |
| 500 A dc | A DC | 500.0 | 499.3 | 499.3 | 489.5 | 510.5 | No |
| 700 A dc | A DC | 700.0 | 698.9 | 698.9 | 681.0 | 719.0 | No |
| AC Amps (iflex Simulation) - | | | - | - | | | - |
| 3 mV @ 50 Hz | A AC | 100.0 | 100.0 | 100.0 | 96.5 | 103.5 | No |
| 30 mV @ 50 Hz | A AC | 1000 | 1000 | 1000 | 965 | 1035 | No |
| 60 mV @ 50 Hz | A AC | 2000 | 2001 | 2001 | 1935 | 2065 | No |
| 75 mV @ 50 Hz | A AC | 2500 | 2502 | 2502 | 2420 | 2580 | No |
| AC Amps (iflex Probe) - | | | - | - | | | - |
| 10 A @ 50 Hz | A AC | 10.0 | 9.9 | 9.9 | 9.2 | 10.8 | No |
| 500 A @ 50 Hz | A AC | 500.0 | 500.9 | 500.9 | 484.5 | 515.5 | No |
| 700 A @ 50 Hz | A AC | 700.0 | 701.4 | 701.4 | 672.5 | 727.5 | No |
| 300 A @ 440 Hz | A AC | 300.0 | 300.9 | 300.9 | 290.5 | 309.5 | No |

End of Report