

As Left Certificate of Calibration

Manufacturer: **Radian Research, Inc.**
 Instrument Model: **RD-33-333 Dytronic Portable Standard**
 Serial Number: **301653**
 Firmware Revision: **07.34.06**
 Error Specification: **.01% worst case**

ISO 9001:2015 Certified Quality Management System
 ISO/IEC 17025:2017 Accredited Laboratory

Customer Name: **Energy Management and Consulting**
 Address: **International Business Park Blvd Edif 204**
Panama Pacifico, Republica de Panama, Panama

Calibration Lab Name: **Radian Research, Inc.**
 Calibration Lab Address: **3852 Fortune Drive; Lafayette, IN 47905**
 Calibration Date: **8-Jul-26**
 Report Issue Date: **9-Jul-26**

Environmental Conditions

Temperature: **23°C +/- 2°C**

Humidity: **between 30% and 60%**

RMA / Certificate Number: **RO48800**

Physical Condition: **Undamaged**

Radian Research's As-Found Test Results showed this Instrument to be:

☐ New ☒ In Tolerance ☐ Out of Tolerance ☐ Inoperative ☐ Limited Calibration ☐ Repair Needed

Radian Research's As-Left Test Results showed this Instrument to be:

☐ New ☒ In Tolerance ☐ Out of Tolerance ☐ Inoperative ☐ Limited Calibration

For Out of Tolerance conditions, As-Found Data Reports are furnished.

Radian Research, Inc. certifies the instrument listed above meets or exceeds specifications and was calibrated in compliance with ANSI/NCSL Z540-1-1994 "Calibration Laboratories and Measuring and Test Equipment – General Requirements" using applicable Radian Research procedures which meet the requirements of ISO 9001:2015 and ISO/IEC Guide 98-3 "Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)".

This instrument was calibrated by a Radian Research RS-933 Syntron Automated Calibration System which is traceable to the National Institute of Standards and Technology (NIST) and/or other National Metrology Institute (NMI). The Automated Calibration system is cross checked and calibrated on a schedule which is adjusted to maintain required accuracies and traceability. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2.

Procedure used for Calibration: **9912164**
 Software used for Calibration: **Radian Research RS-933 Control Application Version 2.6.8312.21655**
 RS-933 Tool Number: **9911644**

Standards Used in This Calibration:

<u>Description</u>	<u>Serial Number(s):</u>	<u>Cal. Source</u>	<u>Cal. Number:</u>	<u>Cal. Due Date:</u>
RS-940A Data Collection Module	933073	Radian Research	933073-20260413	4/13/2027
RS-711 Syntron with RS-932 Boost Module (Phase A)	703236	Radian Research	703236-20260308	3/8/2027
RS-711 Syntron with RS-932 Boost Module (Phase B)	703194	Radian Research	703194-20260310	3/10/2027
RS-711 Syntron with RS-932 Boost Module (Phase C)	703226	Radian Research	703226-20260309	3/9/2027

Laboratory Technician Signature

 LAB 474

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