

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 Accredited Laboratory

Customer Name: Enercom, S.A.
Address: Calle Akee No. 1511-B
 Apdo. 0843-00289; Balboa, Ancon

Calibration Lab Name: Radian Research, Inc.
Calibration Lab Address: 3852 Fortune Drive, Lafayette, IN 47905
Calibration Date: 13-Nov-19
Report Issue Date: 14-Nov-19

Environmental Conditions

Temperature: 23°C +/- 2°C
Humidity: between 30% and 60%
P.O. Number: E-1988 / Wire Transfer
RMA / Certificate Number: RO37213

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

This "As Left Certificate of Calibration" Indicates the instrument has been adjusted and calibrated to be within specifications.

When the instrument was first tested in our lab, the results were out of tolerance.

Out of tolerance results are provided in a separate "As Found" report.

Radian Research, Inc. certifies the instrument listed above meets or exceeds all published specifications and was calibrated in compliance with ANSI/NCCL 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 2.3.7142.30113
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	933073-20190330	3/30/2020
RS-711 Syntron with RS-932 Boost Module (Phase A)	703236	Radian Research	703236-20190508	5/8/2020
RS-711 Syntron with RS-932 Boost Module (Phase B)	703194	Radian Research	703194-20190423	4/23/2020
RS-711 Syntron with RS-932 Boost Module (Phase C)	703226	Radian Research	703226-20190327	3/27/2020

Laboratory Technician Signature



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