



EMCEE ELECTRONICS INC.

QUALITY POLICY

It is the policy of Emcee Electronics Inc. to establish and maintain internal processes and controls which allow us to provide the highest quality products and services that meet or exceed all applicable requirements and our customer expectations.

Emcee Electronics Inc understands that ALL employees' participation in this policy is necessary to achieve the stated goals.

This policy will be subjected to continual management review to establish that the documented quality management system is being effectively followed and improved upon.



QUALITY POLICY OF THE QC LABORATORY

The quality policy of the QC laboratory is the basis of our laboratory quality management system. It is based on the satisfaction of our clients, and other business partners, while optimizing the wellbeing of staff and the harmonization of standards and procedures.

The quality policy of the laboratory is aligned around the following guidelines:

- ▶ Strengthen the relationship of trust established with our clients by the use of working methods guaranteeing the reliability of the results.
- ▶ Operate the laboratory with the highest levels of benefits by adapting continuously to technological developments and the needs of our clients.
- ▶ Comply at all times with the regulatory requirements and prescriptive measurements by ensuring a continuous improvement of the Quality Management System in full compliance with the ISO 17025 Standard.
- ▶ Guarantee sufficient personnel resources by a qualitative and quantitative recruitment with a follow-up for the maintenance of their skills.
- ▶ Improve the involvement of all the staff in the laboratory.
- ▶ Ensure the impartiality of the laboratory and respect the confidentiality of the data.

To implement this policy, the laboratory has defined a number of objectives:

- ▶ Acquire all the resources for which the laboratory has a need to carry out its activities in accordance with the regulatory requirements.
- ▶ Continue our efforts in the application and monitoring of good professional practices in order to ensure the quality of the results rendered.
- ▶ Continually improve by conducting training of the staff and by giving awareness to the quality service and competence of the staff.
- ▶ Apply the quality management system to the QC laboratory.
- ▶ Give the best service to our customers and business partners.
- ▶ Continue our policy of accreditation.
- ▶ Comply with all regulatory requirements and the ISO 17025 Standard.



This is to certify that the Quality Management System of:

Emcee Electronics, Inc

520 Cypress Ave
Venice FL 34285
United States of America

applicable to:

Emcee Electronics designs and manufactures test equipment for fuels, typically diesel and aviation grades.

has been assessed and approved by
National Quality Assurance, U.S.A., against the provisions of:

ISO 9001:2015

For and on behalf of NQA, USA

Certificate Number: 17702
EAC Code: 18
Certified Since: August 29, 2018
Valid Until: August 28, 2024
Reissued: August 29, 2021
Cycle Issued: August 29, 2021





PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Emcee Electronics, Inc.
520 Cypress Avenue, Venice, FL 34285

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

March 20, 2019

Issue Date:

April 30, 2021

Expiration Date:

July 31, 2023

Accreditation No.:

100275

Certificate No.:

L21-280

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Emcee Electronics, Inc.

520 Cypress Avenue, Venice, FL 34285
Contact Name: Allan J. Barberio Phone: 941-485-1515

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical ^F	Conductivity Meters	Conductivity	ASTM D4308	0.1 pS/m to 2 000 pS/m
	Microseparometer	Water Separability of Fuel	ASTM D3948 Calibration Boxes and Fixtures in a Fuel Lab	50 MSEP to 100 MSEP

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Emcee Electronics, Inc.
520 Cypress Avenue, Venice, FL 34285

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Calibration
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

March 20, 2019

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April 30, 2021

Expiration Date:

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Accreditation No.:

100275

Certificate No.:

L21-279

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Certificate of Accreditation: Supplement

Emcee Electronics, Inc.

520 Cypress Avenue, Venice, FL 34285

Contact Name: Allan J. Barberio Phone: 941-485-1515

Accreditation is granted to the facility to perform the following calibrations:

Chemical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Conductivity Tester ^F	0.1 pS/m to 2 000 pS/m	1 % of Reading	ASTM D4308 Emcee 1152 Emcee 1153 Emcee 1154 Conductivity References Fluke 1555 Fluke 51
Separometer (Water Separability of Fuel) ^F	50 MSEP to 100 MSEP	1 % of Reading	ASTM D3948, D7224, D7261, and D4860 Section 7 Appendix X1 Turbidity Box Hand gages

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this calibration at its fixed location.



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: IECEX UL 19.0003X Issue No: 0 Certificate history:
Issue No. 0 (2019-01-30)

Status: **Current** Page 1 of 3

Date of Issue: 2019-01-30

Applicant: **Emcee Electronics Inc.**
520 Cypress Ave.
Venice, FL 34285
United States of America

Equipment: **Digital Conductivity Meter, Model 1152, Part Nos. 152-00-0010, 152-00-0011, 152-00-0012, 152-00-0013, 152-00-0014**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: **Ex ia IIA T4 Ga**
-20°C ≤ Ta ≤ +40°C

Approved for issue on behalf of the IECEX
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2019-01-30

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEX Website.

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





IECEX Certificate of Conformity

Certificate No: IECEx UL 19.0003X Issue No: 0
Date of Issue: 2019-01-30 Page 2 of 3
Manufacturer: Emcee Electronics Inc.
520 Cypress Ave.
Venice, FL 34285
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

US/UL/ExTR19.0004/00

Quality Assessment Report:

US/UL/QAR19.0001/00



IECEx Certificate of Conformity

Certificate No: IECEx UL 19.0003X

Issue No: 0

Date of Issue: 2019-01-30

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model 1152 series is a portable, battery-operated electronic conductivity meter with a removable probe, Part No. 152-09-0000. It may be provided with an optional 50 ft. extension cable for connection to the probe.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Aluminum Enclosure – Check polyurethane coating every 2 months. Scratched or chipped polyurethane coating may impair suitability for intrinsic safety.

Annex:

Annex to IECEx UL 19.0003X Issue 0.pdf



IECEx Certificate of Conformity

Certificate No.: IECEx UL 19.0003X

Issue No.: 0

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EQUIPMENT

Model/Part No.	Multiplier	Range
152-00-0010	X 1	0 – 2,000 pS/m
152-00-0011	X 10	0 – 20,000 pS/m
152-00-0012	X 100	0 – 200,000 pS/m
152-00-0013	X 1,000	0 – 2,000,000 pS/m
152-00-0014	X 10,000	0 – 20,000,000 pS/m

PARAMETERS RELATING TO THE SAFETY

Three Energizer No. A544 Alkaline Batteries (6V Each)

MARKING

Marking has to be readable and indelible; it has to include the following indications:

EMCEE ELECTRONICS, INC.
520 CYPRESS AVE., VENICE, FL 34285
EMCEE MODEL 1152
DIGITAL CONDUCTIVITY METER

CLASS / GROUP D TEMPERATURE CODE T4







57GB 0539 IECEx UL 19.0003X

GROUND INDICATOR FOR USE IN HAZARDOUS LOCATIONS

INTRINSICALLY SAFE / SÉCURITÉ INTRINSÈQUE

BATTERY REQUIREMENTS - 3 ENERGIZER NO. A544
ALKALINE, 6V EACH, TOTAL 18V

WARNING: SUBSTITUTION OF COMPONENTS
MAY IMPAIR INTRINSIC SAFETY

AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS
PEUT COMPROMETRE LA SÉCURITÉ INTRINSÈQUE

CAUTION: THIS DEVICE MUST BE GROUNDED BEFORE AND AFTER
INTRODUCTION INTO THE TANK AND REMAINS GROUNDED UNTIL
AFTER COMPLETE WITHDRAWAL FROM THE TANK

ATTENTION: CE DISPOSITIF DOIT ÊTRE MIS À LA TERRE
AVANT DE L'INTRODUIRE DANS LE RÉSERVOIR, MAINTENIR
LA CONNEXION À LA TERRE AUSSI LONGTEMPS QUE
LE DISPOSITIF N'AURA PAS ÉTÉ RETIRÉ DU RÉSERVOIR

MANUFACTURED 2019

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



Aug 11, 2017

EMCEE ELECTRONICS INC

520 CYPRESS AVE
VENICE, FL, 34285-4603
US

Our Reference:	File E78352, Vol. 1	Project Number	4787946408
Your Reference:	N/A		
Project Scope:	E78352 (UIOR) - Meter 1152 update to SMT components and combine AD converter board and display board.		

Dear MR. GARY SOBIE:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E78352, Vol. 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Vincent Wan
+1 416 288-2504
Project Engineer
Vincent.wan@ul.com

Reviewed by:

Bruce A. Mahrenholz
847-664-3009
CPO Director
Bruce.A.Mahrenholz@ul.com

NBK6F1D-2A6053

[1] **PRODUCTION QUALITY ASSURANCE NOTIFICATION**



[2] **Equipment or Protective Systems or Components intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3] Notification Number: **19 ATEX Q6747 Rev. 0**

[4] Equipment or Protective System or Components as listed: **Design and manufacture of test equipment for fuels,
typically diesel and aviation grades
Intrinsic safety "i"**

[5] Applicant/Manufacturer/Authorized Representative: **Emcee Electronics
520 Cypress Avenue
Venice, FL 34285 USA**

[6] Manufacturing locations: **Same as Applicant**

[7] UL International Demko A/S notified body number 0539 for Annex IV in accordance with Article 21 of the Council Directive 2014/34/EU of 26 February 2014, notifies to the applicant that the manufacturer has a production quality system which complies to Annex IV of the Directive.

[8] This notification is based on audit report No. **4788774191**

This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annex IV. The Manufacturer is obliged to inform UL International Demko A/S of any changes in their ISO 9001 registration or other aspects upon which this notification has been given.

Results of periodic re-assessment of the quality system are a part of this notification.

[9] This notification is valid until: **2022-01-10**

and can be withdrawn if the manufacturer does not satisfy the production quality assurance surveillance.

[10] According to Article 16[3] of the Directive 2014/34/EU the CE marking shall be followed by the identification number 0539 identifying the notified body involved in the production control stage.

Additional information
Accredited by DANAK under registration number 7011 to certification of products.

Certification Manager
Jan-Erik Storgaard

Notified Body

This notification may only be reproduced in its entirety and without any change.

Date of re-issue: 2019-01-30



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