



emcee electronics, inc.

520 CYPRESS AVENUE • VENICE, FLORIDA 34285

Certificate Of Calibration

EMCEE Model 1154 Precision Conductivity Meter

ISO:9001:15 • ISO/IEC: 17025 • ISO/IEC: 80079 • PJLA ACCREDITATION #100275
(ASTM Standard Test Method D 4308)

Part Number	Description	Multiplier
154-00-0001*	Standard Ranges 0 – 2,000 pS/m w/Temp Option	X1
INSTRUMENT S/N: 128,798	TEST (KSLA) CELL S/N: 128,798	
JOB NUMBER: R-00432	COMPLETION DATE:	
RH 45%	Temp 72°	Date of Mfg: 5/14/2026

PLEASE NOTE: EMCEE GUARANTEES CALIBRATIONS FOR ONE YEAR FROM THE DATE OF SHIPMENT

This instrument was tested and calibrated in accordance with American Society for Testing and Materials (ASTM) D 4308 "Standard Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter" and supplemented by manufacturer's procedures. Recommended frequency of calibration is one year from date of previous calibration, or sooner, if the values obtained are suspect.

The instrument as shown below was calibrated using calibration boxes containing high value, precision 1% resistors that simulate conductivity levels in picosiemens per meter (pS/m). In addition, the reading obtained as shown for a hydrocarbon fuel was compared to the EMCEE standard lab Model 1154.

Calibration Box		Instrument Reading per Range				Corrected Value		
(pS/m)	(S/N)	20	200	2000	TEMP	(pS/m X multiplier)		
10	41081B	10.01	10.0	9	N/A	N/A	N/A	N/A
50	41081B	N/A	50.3	50	N/A	N/A	N/A	N/A
100	41082B	N/A	99.8	100	N/A	N/A	N/A	N/A
500	41082B	N/A	N/A	502	N/A	N/A	N/A	N/A
1000	41083B	N/A	N/A	998	N/A	N/A	N/A	N/A
Lab 1154	100,075	FUEL TEST				Sample Temp. C		
		LOW	HIGH					
Lab Model	Current	N/A	47	345	N/A	Thermometer	21.1	
S/N: 128,798	Current	N/A	47	345	N/A	Instrument	20.1	
Lab Model	Previous	N/A	N/A	N/A	N/A			
S/N: 128,798	Previous	N/A	N/A	N/A	N/A			

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Calibrated & Certified by an ISO/IEC 17025:2017 Laboratory

"Measurement uncertainty per NIST Type B evaluation is $\pm 2\%$ the measured value."

Technician: R. Wormuth

QC Tech: L. Neal

Visual Inspection "OK"

R.W.

Date: 7-23-26

(initial)

Due Date: 7-23-27

*Note: The range selection pushbuttons on this model are marked 20, 200, 2000, and Temp.

The multiplier is applied to the reading displayed.

Form 1154-1 (10/25 gas)

REV. C