



131-50 ES Meter Calibration Report

The Device Under Test is certified to meet the accuracy requirements stated in "API 13B-2, 11 Electrical Stability Test".

Equipment Information

Sales Order:	22228	Calibration Date:	10/28/2024
Serial Number:	10476	Recommended Calibration Date:	10/28/2025
Item I.D. #		As Found Data Required by Customer?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
		Repairs Required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Calibration Standards

Range: 609V - 1952V

Acceptable tolerance is $\pm 2.5\%$ of full scale (FS) at 25% - 75% FS Range, unless otherwise specified.

These devices have been calibrated using instruments and known standards which are traceable to NIST.

Low Resistor Standard	
Lot Number:	TF050R
Manufacturer:	Caddock®
Description:	HI-Volt Resistor, 9.99 M Ω \pm 0.1%
Reading (V):	609V
Tolerance:	2% (12.18V)

High Resistor Standard	
Lot Number:	TF656R
Manufacturer:	Caddock®
Description:	HI-Volt Resistor, 32.00 M Ω \pm 0.1%
Reading (V):	1952V
Tolerance:	2% (39.04V)

As Left Measurement

	Target	Cycle 1	Variance	Cycle 2	Variance	Cycle 3	Variance	Tolerance	Actual \pm	% Dif	Pass/Fail
Low Resistor	609V	612V	3V	612V	3V	612V	3V	\pm 12.18V	3V	0%	Pass
High Resistor	1952V	1938V	-14V	1938V	-14V	1937V	-15V	\pm 39.04V	15V	1%	Pass
Probe in Water	<3V	1V	N/A	1V	N/A	1V	N/A	N/A	1V	N/A	Pass
Probe in Air	∞	∞	N/A	∞	N/A	∞	N/A	n/a	∞	∞	Pass
Probe Gap (in)	.061in	.061in	.000in	.061in	.000in	.061in	.000in	.001in	.000in	N/A	Pass

Technician: Magdy Beshay

Date: 10/28/2024

Approved By: Samantha Korenek

Date: 10/25/2024

Calibrated Per: DCF-LAB-CAL-009