

Calibration Certificate

Customer Address:

Schneider Electric
3700 6th St. SW
Cedar Rapids, IA 52404
319-369-4631

Calibration Laboratory Address:

Schneider Electric
3700 6th St. SW
Cedar Rapids, IA 52404
319-369-4631

Control # 045-445
Data Type FOUND_LEFT
Technician STEVE HEIT
Temperature 23 °C
Humidity 34 RH
Test Results Pass
Location HPL

Customer # 045-445
Description ROGOWSKI CURRENT TRANSDUCER
Manufacturer POWER ELECT.MEAS.
Model Number CWT1500LFR
Serial Number 41137-30720
Cal Date 10/11/2019
Due Date 10/11/2020

Certificate Number: 2019002312

Procedure Name PEM ROGOWSKI COIL CWT1500LFR 2% CHECKED IN HPL2

Instrument Condition Operational

Work Order Notes: cal'd to 2% of reading

REVIEWED

By Kevin Woods at 2:27 pm, Oct 15, 2019

Schneider Electric certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the SI through the National Institute of Standards and Technology (NIST), or by using natural physical constants, intrinsic standards or ratio calibration techniques. This laboratory conforms to ISO 9001:2008, ISO/IEC 17025:2005. Measurement uncertainty will be available in a reasonable amount of time upon written request. Estimated expanded uncertainty is computed at 95% confidence level, coverage factor $k=2$ following the Met-002 procedure. Received date of the calibration items will be entered when it is critical to the validity of the results.

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Standards Used

Control #	Manufacturer	Description	Model Number	Cal Date	Due Date
018-270	AGILENT	DMM, 8 1/2 DIGIT	3458A	8/9/2018	8/9/2019
018-372	HP	DMM, 6 1/2 DIGIT	34401A	1/24/2019	1/24/2020
083-008	FLUKE	CALIBRATOR	5720A	6/5/2019	6/5/2020
085-006	FLUKE	OSCILLOSCOPE CALIBRATOR	9500B/1100	6/7/2019	6/7/2020
102-164	OHM-LABS	AC-DC SHUNT	CS-100	5/29/2019	5/29/2020
176-009	FLUKE	CALIBRATION ACCESSORY	9530	6/5/2019	6/5/2020

PEM ROGOWSKI COIL CWT1500LFR

MET/CAL Results

Pass

FOUND_LEFT

WTUSLVSE088073D

Test Description	True Value	Lower Limit	Test Results	Upper Limit	Status	TSR
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DOES THIS PROCEDURE CONFORM TO ISO/IEC 17025

Result of Operator Evaluation

Pass

TEMP. AND HUMIDITY WITHIN REQUIREMENTS?

Result of Operator Evaluation

Pass

BEGINNING SHUNT VALUE = 10.154 MICRO OHMS

TEST CHECK AT APPROX. 5000 AMPS

5067.0 A	5067.0 A	4966 A	5017 A	5168 A	Pass	
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TEST CHECK AT APPROX. 20000 AMPS

21701.6 A	21701.6 A	21268 A	21459 A	22136 A	Pass	
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TEST CHECK AT APPROX. 35000 AMPS

35116.4 A	35116.4 A	34414 A	34775 A	35819 A	Pass	
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TEST CHECK AT APPROX. 50000 AMPS

50273.1 A	50273.1 A	49268 A	49858 A	51279 A	Pass	
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TEST CHECK AT APPROX. 65000 AMPS

65401.9 A	65401.9 A	64094 A	64784 A	66710 A	Pass	
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BEGINNING SHUNT VALUE = 10.14 MICRO OHMS

Result of Operator Evaluation

Pass

-- End of measurement results--