

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 # 131-559
Data Type FOUND_LEFT
Technician Dan Ginter
Temperature 25 °C
Humidity 36 RH
Test Results Pass
Location HPL 0

Customer # 131-559
Description 100X VOLTAGE PROBE
Manufacturer HBM
Model Number PHV1000-3-45pF
Serial Number 063-165 CH# 1 +
Cal Date 7/8/2019
Due Date 1/8/2020

Certificate Number: 2019001576

Procedure Name HBM 100X PROBES, DIFFERENTIAL +/-1% -5720

Instrument Condition Operational

Work Order Notes: DIFFERENTIAL ASSIGNED PROBE CAL'D TO +/- 1 %

REVIEWED

By Kevin Woods at 11:03 am, Jul 11, 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
083-008	FLUKE	CALIBRATOR	5720A	6/5/2019	6/5/2020

HBM 100X PROBES, DIFFERENTIAL

MET/CAL Results		Pass	FOUND_LEFT	WTUSLVSE114619D		
Test Description	True Value	Lower Limit	Test Results	Upper Limit	Status	TSR
DOES THIS PROCEDURE CONFORM TO ISO/IEC 17025						
Result of Operator Evaluation					Pass	
TEMP. AND HUMIDITY WITHIN REQUIREMENTS?						
Result of Operator Evaluation					Pass	
DID PROBES PASS SQUARE WAVE INSPECTION?						
Result of Operator Evaluation					Pass	
POSITIVE SINGLE ENDED PROBE CHECK:						
10.000 V	10.0000 V	9.900 V	9.985 V	10.100 V	Pass	2325.58
-10.000 V	-10.0000 V	-10.100 V	-9.990 V	-9.900 V	Pass	2325.58
100.000 V	100.0000 V	99.000 V	99.849 V	101.000 V	Pass	1538.46
-100.000 V	-100.0000 V	-101.000 V	-99.918 V	-99.000 V	Pass	1538.46
600.000 V	600.0000 V	594.000 V	599.269 V	606.000 V	Pass	1132.08
-600.000 V	-600.0000 V	-606.000 V	-599.556 V	-594.000 V	Pass	1132.08
DIFFERENTIAL PROBE CHECK:						
10.000 V	10.0000 V	9.900 V	9.983 V	10.100 V	Pass	2325.58
-10.000 V	-10.0000 V	-10.100 V	-9.992 V	-9.900 V	Pass	2325.58
100.000 V	100.0000 V	99.000 V	99.854 V	101.000 V	Pass	1538.46
-100.000 V	-100.0000 V	-101.000 V	-99.917 V	-99.000 V	Pass	1538.46
200.000 V	200.0000 V	198.000 V	199.708 V	202.000 V	Pass	1600.00
-200.000 V	-200.0000 V	-202.000 V	-199.881 V	-198.000 V	Pass	1600.00
400.000 V	400.0000 V	396.000 V	399.415 V	404.000 V	Pass	1081.08
-400.000 V	-400.0000 V	-404.000 V	-399.777 V	-396.000 V	Pass	1081.08
800.000 V	800.0000 V	792.000 V	799.115 V	808.000 V	Pass	1159.42
-800.000 V	-800.0000 V	-808.000 V	-799.783 V	-792.000 V	Pass	1159.42

-- End of measurement results--