

Calibration result

PGA309EVM-USB

USB Controls PGA309 Controls

Block Diagram Registers Set up Cal Auto-Cal EEPROM

Start Calibration Complete!

Auto-continue

Calibration

Continue

Re-Run Current Measurement

Re-Cal Selected Temperature

Temperature 100.0

First Cal Status

Find Vin_Low Calibrate Vin_High Calibrate Vin_Low Calibrate Vin_Mid

2nd Find Vin_Low 2nd Cal Vin_High 2nd Cal Vin_Low Done Initial Cal

Over Temp Status

Find Vin_Low Cal Vin_High Cal Vin_Low Done

Mesurements Complete

EEPROM Written

Cal Results 4wire_MN_1_SN_14_DC_3923.txt

Reg Cluster

Misc Value

Temp No 2 Temp 100

Vin_Low 1.454m Vin_High 9.212m

Vout_Low 499.66m Vout_High 4.4998

Vo High Target 4.5 Vo Low Target 0.5

Io High Target 0 Io Low Target 0

No of Temp 3 Poly Order 2

Output Mode Vout (4-Wire) Temp Sensor Type Diode / Raw

Analog Reg

Front Gain 128 Vs 5

Output Gain 2 Vref 4.096

Coarse Off -17.41m Klin 0.034518

Gain Dac 0.571228 Kexc 0.83

Zero Dac 1.97503

Cal Control

Calibrate Nonlin (LinD)

Use Sensor Emulator

Range 12mV/V

XTR Info

R1 0 XTR_Vref 0

R2 0 R_ref 0

Reg

x115E

x7B70

x5B5A

x051A

x0715

x0000

x1403

x0000

x0000

x0000

XTR_Vref

R_ref

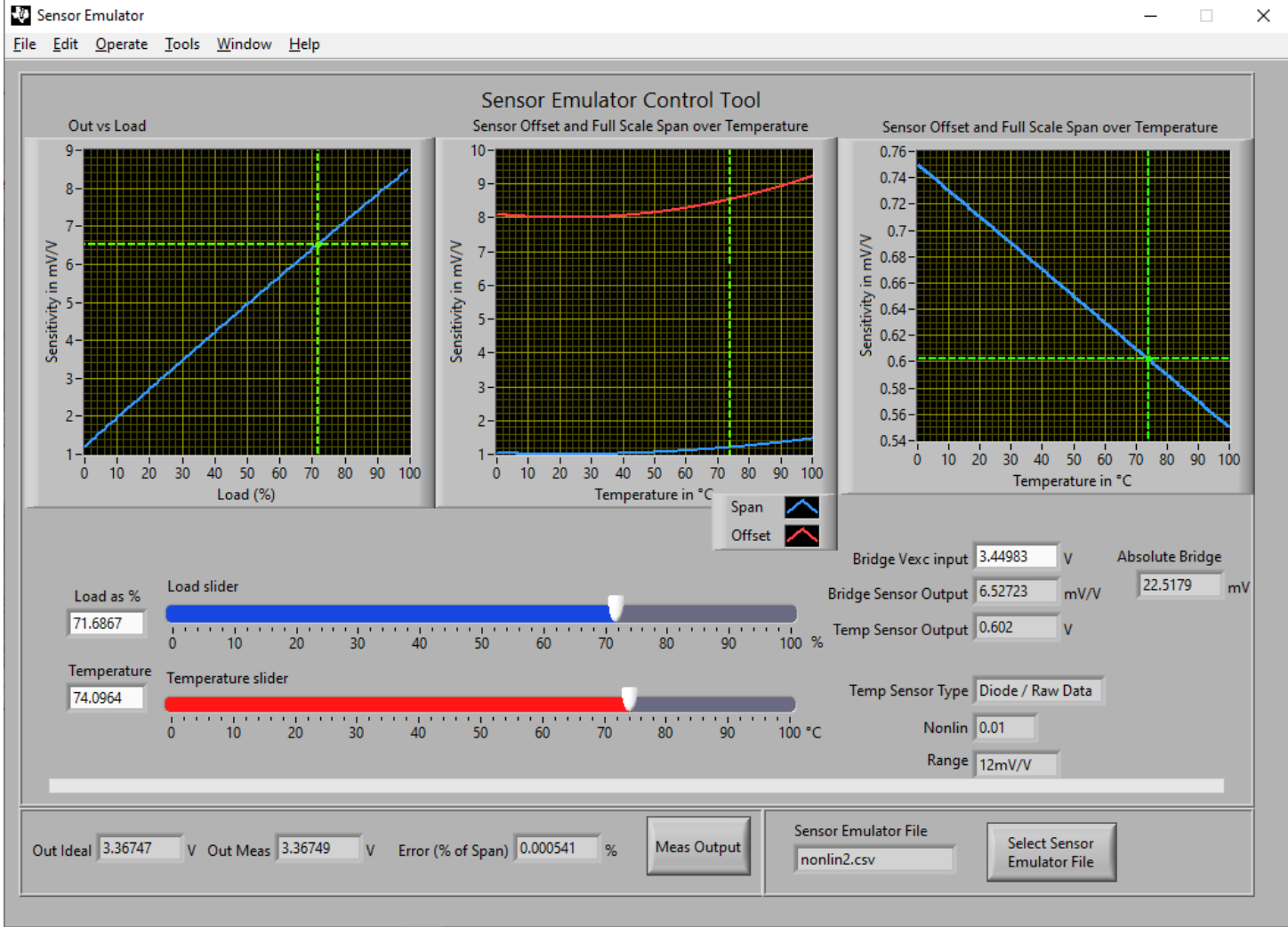
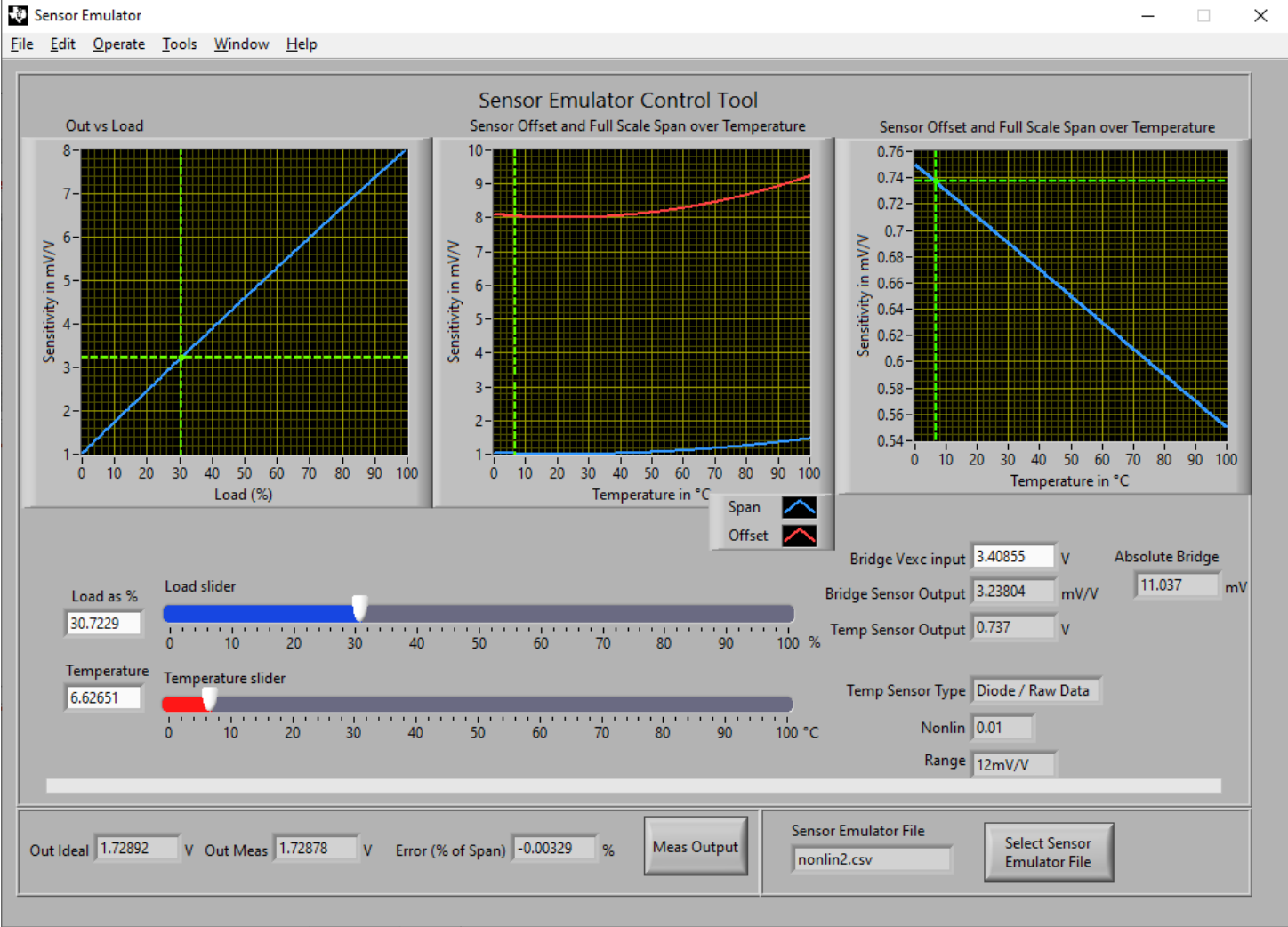
0

0

Calibration Info

Done	Temperature	Temp DAC	Sensor Min	Sensor Max	Vout Max	Vout Min	Io Max	Io Min	Zero Dac	Gain Dac	Emul Min	Emul Max	Emul Temp
<input checked="" type="checkbox"/>	0	x17A2	1.066m	8.084m	4.4998	0.49946	0.0000	0.0000	2.1638	0.62252	1.0380	8.0980	0.75000
<input checked="" type="checkbox"/>	50	x1480	1.086m	8.142m	4.4998	0.49936	0.0000	0.0000	2.1572	0.61914	1.0580	8.1555	0.65000
<input checked="" type="checkbox"/>	100	x115E	1.491m	9.212m	4.4998	0.49966	0.0000	0.0000	2.0184	0.56498	1.4620	9.2290	0.55000
<input type="checkbox"/>	0	x0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<input type="checkbox"/>	0	x0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<input type="checkbox"/>	0	x0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<input type="checkbox"/>	0	x0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

A few spot checkes



Change regional setting to Germany

Settings

Home

Find a setting

Time & Language

Date & time

Region

Language

Speech

Region

Country or region

United States

Windows and apps might use your country or region to give you local content.

Regional format

Current format: English (Germany)

English (Germany)

Windows formats dates and times based on your language and regional preferences.

Regional format data

Select Change data formats to switch among calendars, date, and time formats supported by the region.

Calendar: Gregorian Calendar

First day of week: Monday

Short date: 27/09/2023

Long date: Wednesday, 27 September 2023

Short time: 09:25

Long time: 09:25:23

[Change data formats](#)

Related settings

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Calibration

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Re-Run Current Measurement

Re-Cal Selected Temperature

Temperature 100,0

First Cal Status

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2nd Find Vin_Low	2nd Cal Vin_High	2nd Cal Vin_Low	Done Initial Cal

Over Temp Status

Find Vin_Low	Cal Vin_High	Cal Vin_Low	Done
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Mesurements Complete

EEPROM Written

Cal Results 4wire_MN_1_SN_14_DC_3923.txt

Reg Cluster

Misc Value		Analog Reg		Reg
Temp No	Temp	Front Gain	Vs	x 00EB
2	100	42,67	5	x 81C6
Vin_Low	Vin_High	Output Gain	Vref	x 5487
957,2u	8,955m	6	4,096	x 051A
Vout_Low	Vout_High	Coarse Off	Klin	x 551F
499,97m	4,4993	-48,74m	0,03447	x 0000
Vo High Target	Vo Low Target	Gain Dac	Kexc	x 1403
4,5	0,5	0,55345	0,83	x 0000
Io High Target	Io Low Target	Zero Dac		x 0000
0	0	2,07641		x 0000
No of Temp	Poly Order	Cal Control	XTR Info	x 0000
3	2	<input checked="" type="checkbox"/> Calibrate Nonlin (LinD)	R1	x XTR_Vref
Output Mode	Temp Sensor	<input checked="" type="checkbox"/> Use Sensor Emulator	R2	0
Vout (4-Wire)	Diode / Raw	Range 12mV/V	R_ref	0

Calibration Info

Done	Temperature	Temp DAC	Sensor Min	Sensor Max	Vout Max	Vout Min	Io Max	Io Min	Zero Dac	Gain Dac	Emul Min	Emul Max	Emul Temp
<input checked="" type="checkbox"/>	0	EC	1,003m	7,961m	4,4999	0,49936	0,0000	0,0000	2,0664	0,62806	1,0000	8,0000	0,0000
<input checked="" type="checkbox"/>	50	EC	1,003m	7,961m	4,5002	0,49930	0,0000	0,0000	2,0663	0,62805	1,0000	8,0000	0,0000
<input checked="" type="checkbox"/>	100	EB	1,002m	8,955m	4,4993	0,49997	0,0000	0,0000	2,0853	0,54993	1,0000	9,0000	0,0000
<input type="checkbox"/>	0	0	0	0	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<input type="checkbox"/>	0	0	0	0	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<input type="checkbox"/>	0	0	0	0	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
<input type="checkbox"/>	0	0	0	0	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000