

(Potentiometer)

QNET MECHKIT.

1

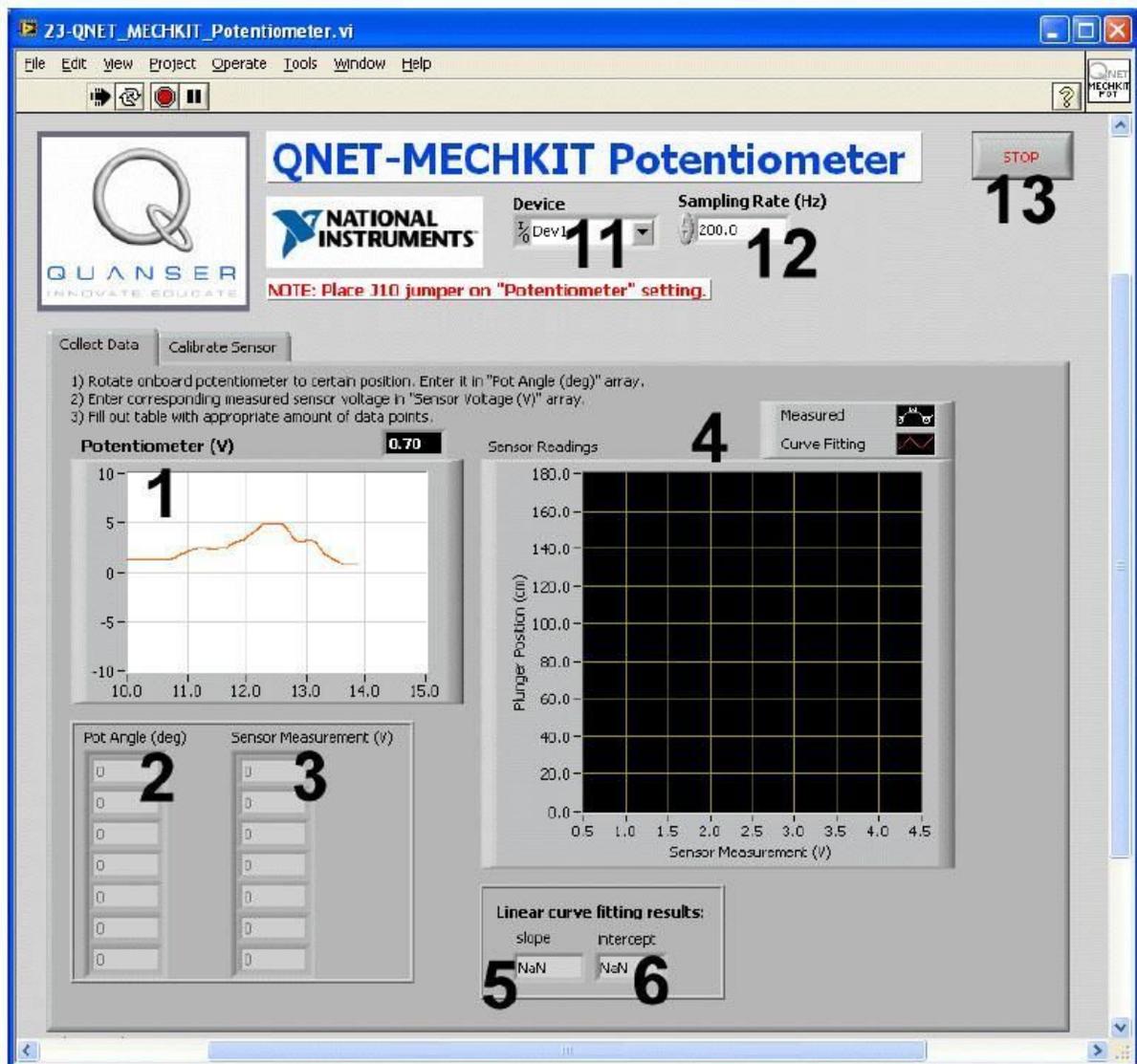
QNET_MECHKIT_Potentiometer.

1, 2

1.

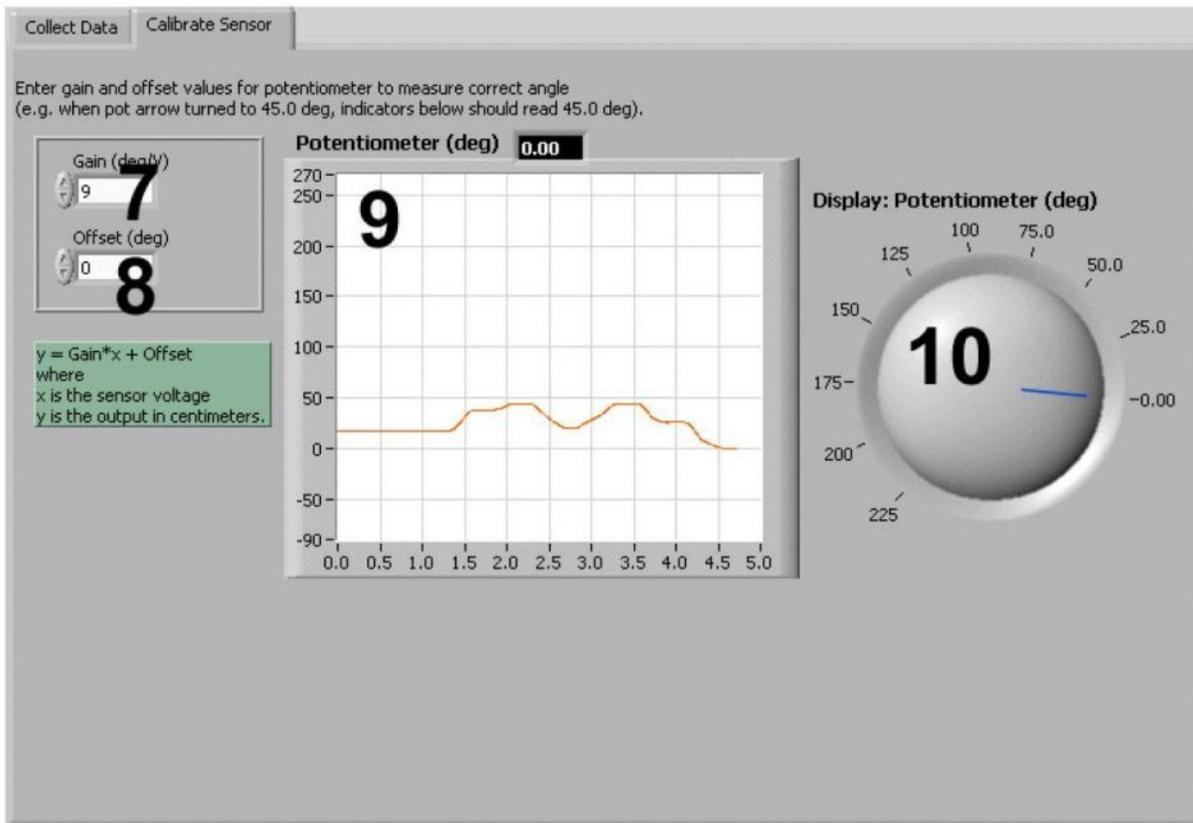


1.



. 1. VI QNET MECHKIT Potentiometer:

“Collect Data”



2. VI QNET MECHKIT Potentiometer:

“Calibrate Sensor”

1.

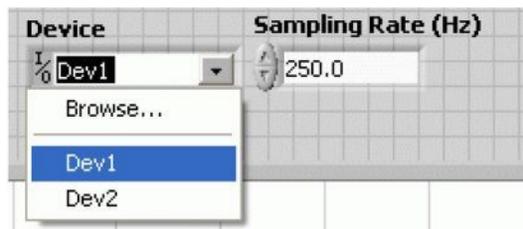
VI QNET MECHKIT Pressure Sensor

ID			
1	Potentiometer (V)	,	
2	Pot Angle (deg)	,	
3	Sensor Measurement (V)	-	
4	Sensor Readings		
5	slop		/
6	intercept		
7	Gain (deg/V)		/
8	Offset(deg)		
9	Potentiometer (deg),	Gain	Offset

ID			
10	Potentiometer (deg),		
		<i>Gain</i>	<i>Offset</i>
11	Device	DAQ-	
12	Sampling Rate		
13	Stop	VI	

2.

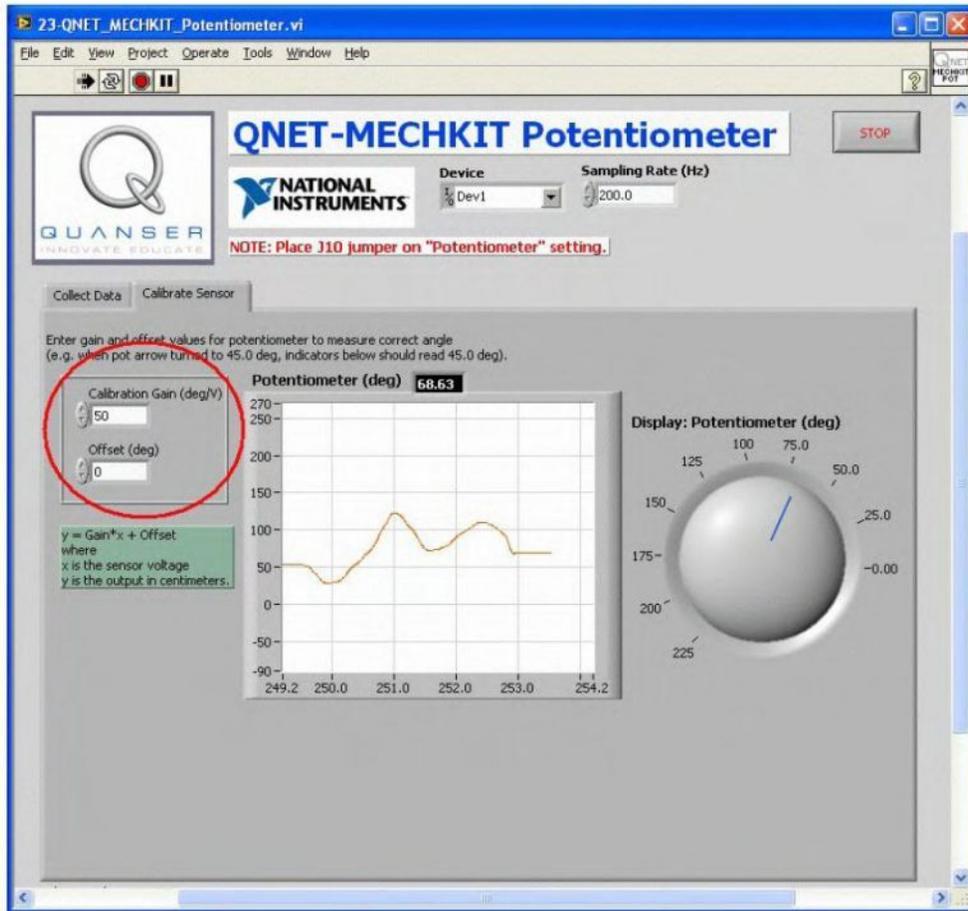
1. **J10 POT.**
2. VI QNET_MECHKIT_Potentiometer.vi.
3. *Device*



.3

2.1.

1. , 45
2. *Pot Angle Deg (deg) (. 1).*
Sensor Measurement (V).
3. ,
4. **1:** 2
Sensor Readings.
5. VI, *Stop.*



.5.

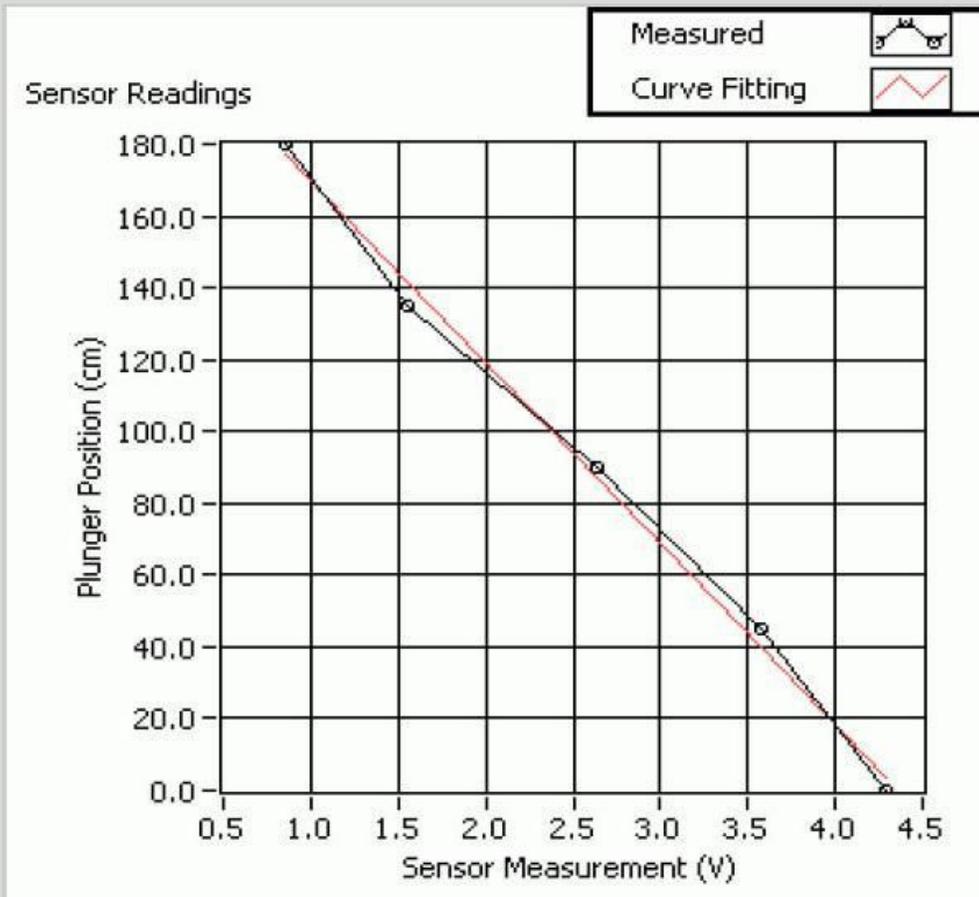
2.3

1.

2.

	()	()
0		
45		
90		
135		
180		

6,



. 6.

Measured – ; Curve Fitting – ; Sensor Reading –
 Sensor Measurement (V) – ; Pot Angle (deg) – () ;
 ()

2.

3.

:			
	-50.4	/	
	220		