

(Pressure)

QNET MECHKIT.

1
VI

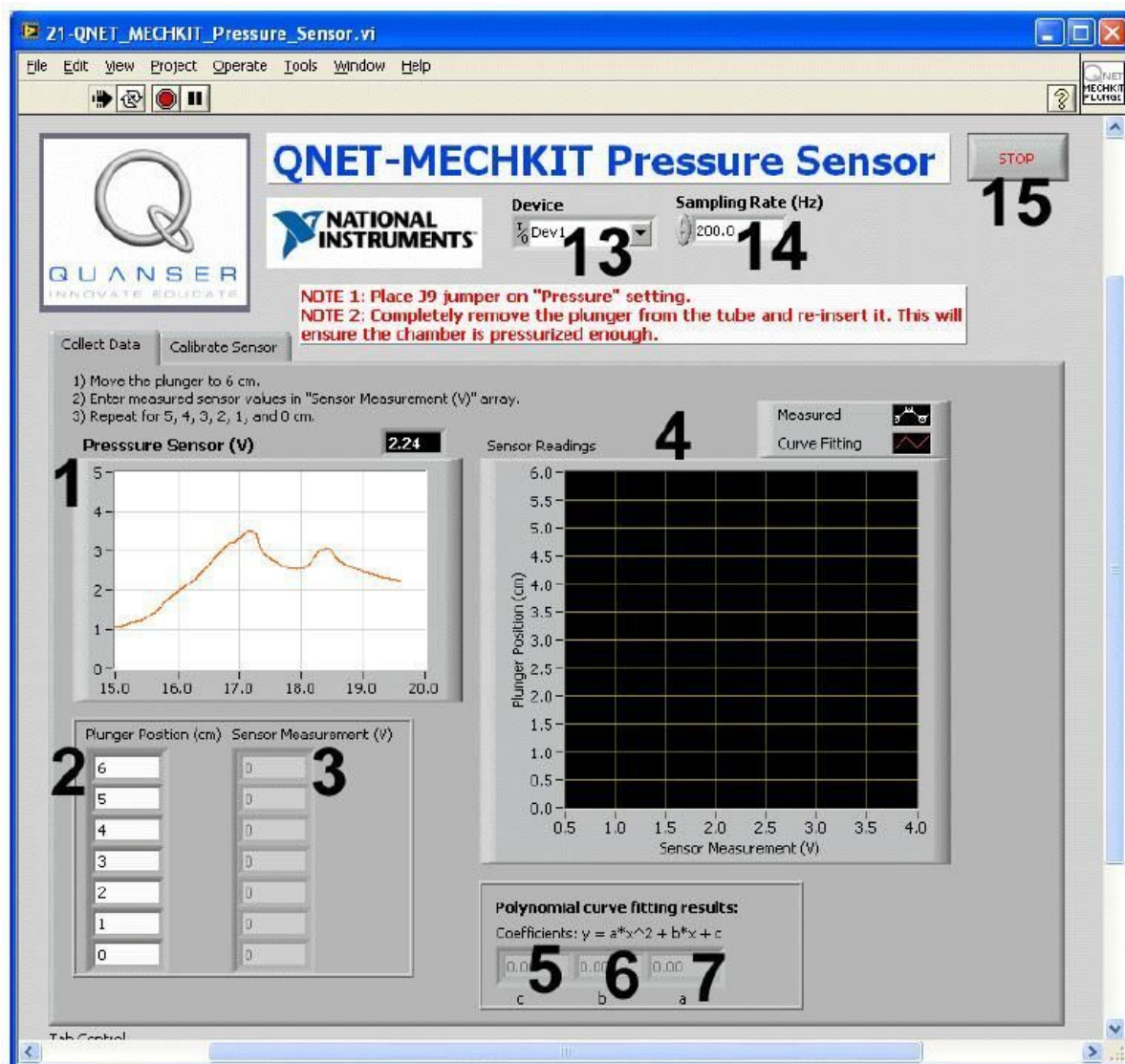
QNET_MECHKIT_Pressure_Sensor.

1, 2

1.

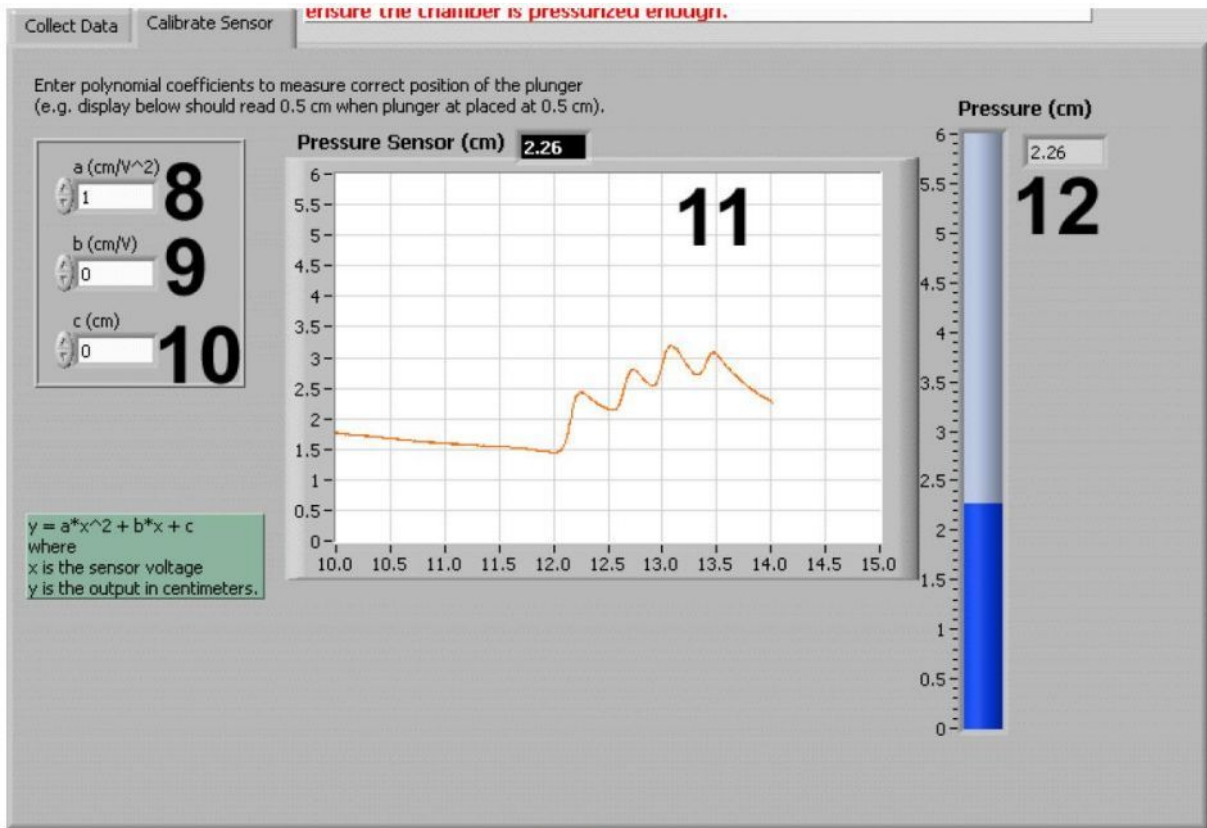


1.



1. VI QNET MECHKIT Pressure Sensor:

“Collect Data”



2. VI QNET MECHKIT Pressure Sensor:

“Calibrate Sensor”

1.

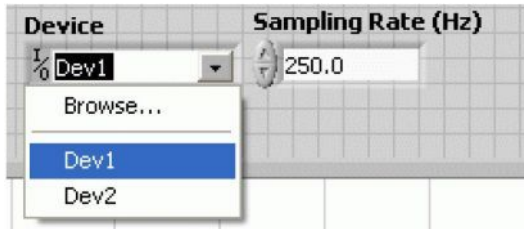
VI QNET MECHKIT Pressure Sensor

ID			
1	Pressure Sensor (V)	,	-
2	Plunger Position (ml)	,	QNET.
3	Sensor Measurement (V)	,	-
4	Sensor Readings	,	.
5	c (<i>Collect Data</i>)	.	
6	b (<i>Collect Data</i>)	.	/
7	a (<i>Collect Data</i>)	.	/ ²

ID			
8	<i>a (Calibrate Sensor)</i>		/ ²
9	<i>b (Calibrate Sensor)</i>		/
10	<i>c (Calibrate Sensor)</i>		
11	Pressure Sensor (ml),	“Chart”,	
12	Pressure (cm)		
13	Device	DAQ-	
14	Sampling Rate		
15	Stop		VI

2.

1. **J9 Pressure.**
2. VI QNET_MECHKIT_Pressure_Sensor.vi.
3. ()
4. *Device*



.3

2.1.

1. 1 MECHKIT Pressure (V) (-)
2. Sensor Measurement (V).

3. 2 0,8 , 0,6 , 0,4 , 0,2 0 . -

4.

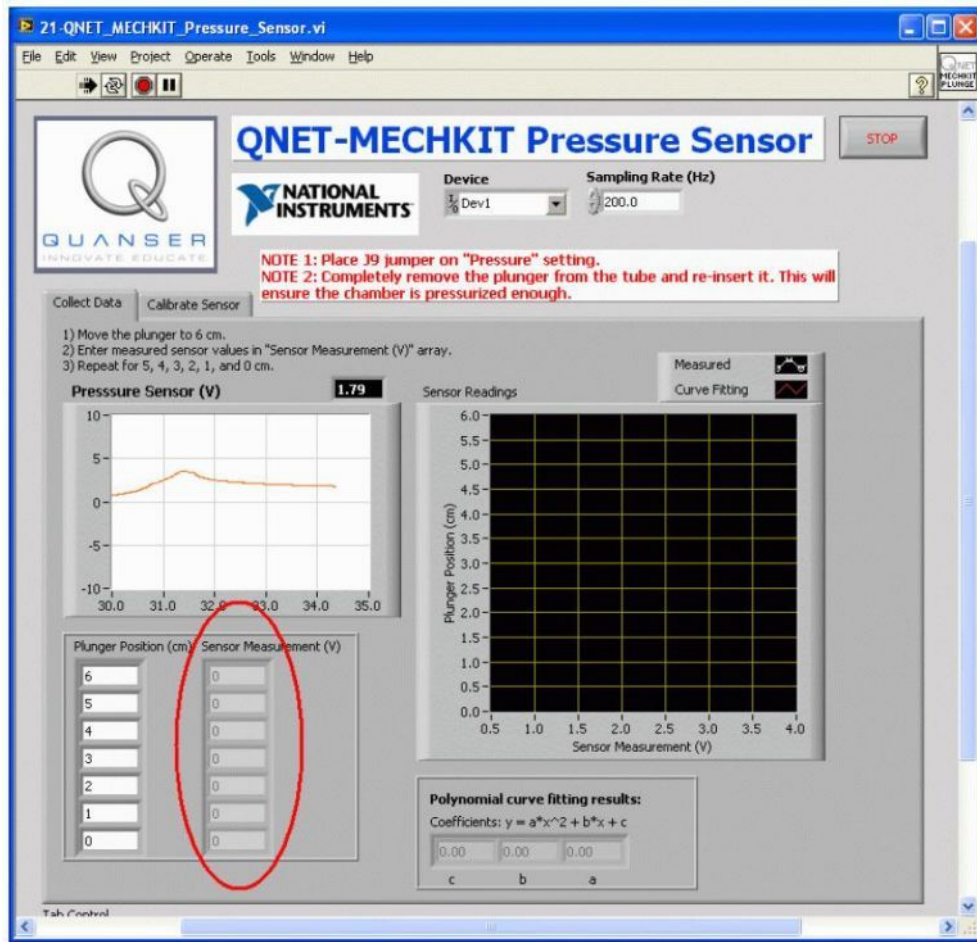
Sensor Readings.

2

5.

VI,

Stop.



. 4.

2.2

1. VI QNET_MECHKIT_Pressure_Sensor.vi

2. Calibrate Sensor

6),

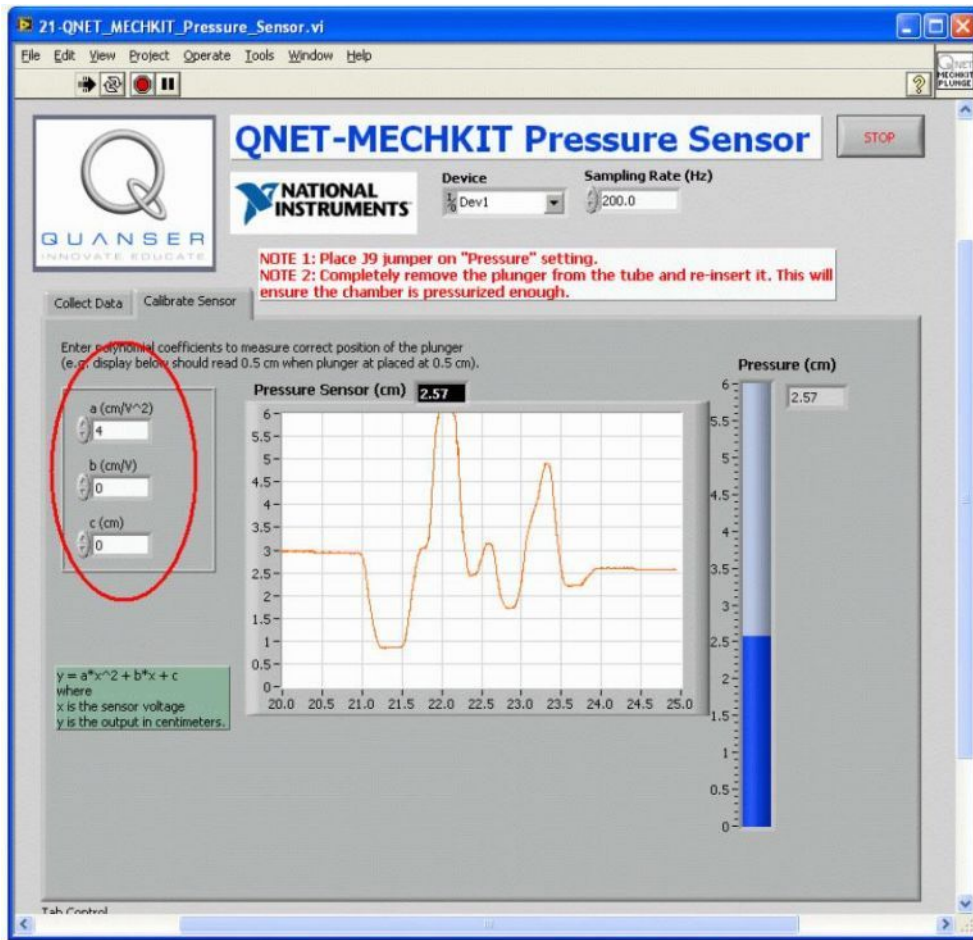
, , 0,6 ,

3. a, b

3.

4. VI,

Stop.



. 5.

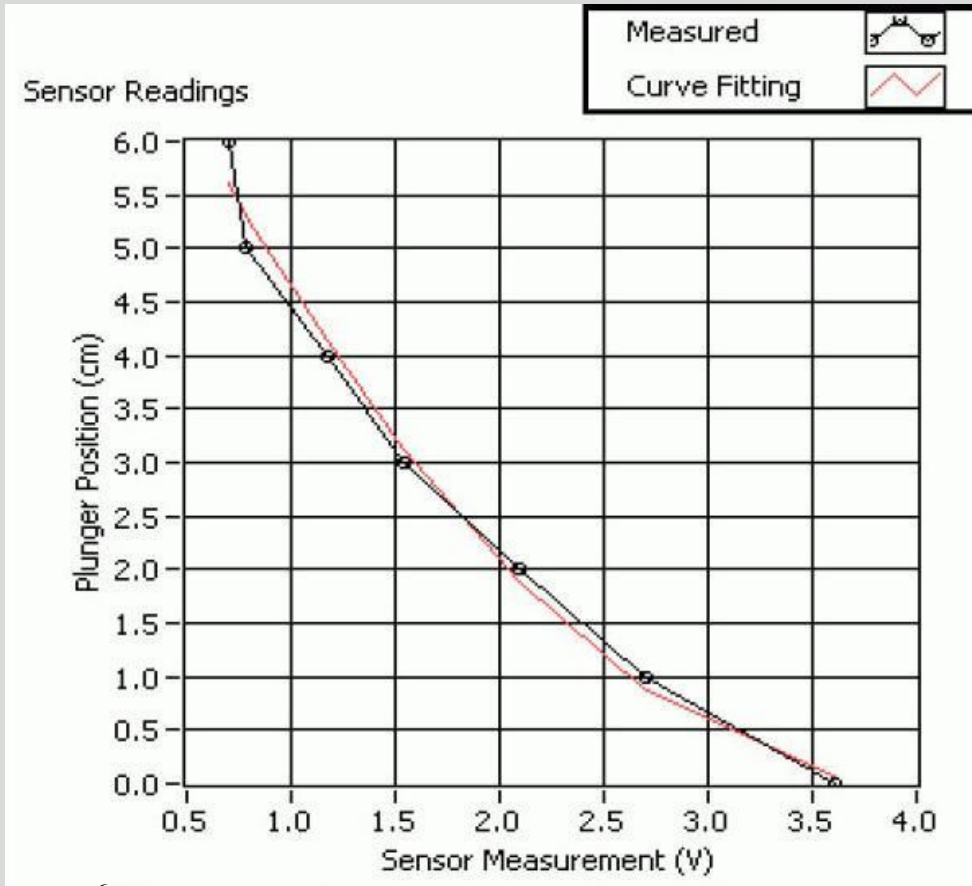
2.3

1.

2.

()			
1,0			
0,8			
0,6			
0,4			
0,2			
0,0			

6.



6. Measured – ; Curve Fitting – ; Sensor Reading –
 () ; Sensor Measurement (V) – ()

2.

3.

<i>a</i>		$/^2$	
<i>b</i>		$/$	
<i>c</i>			