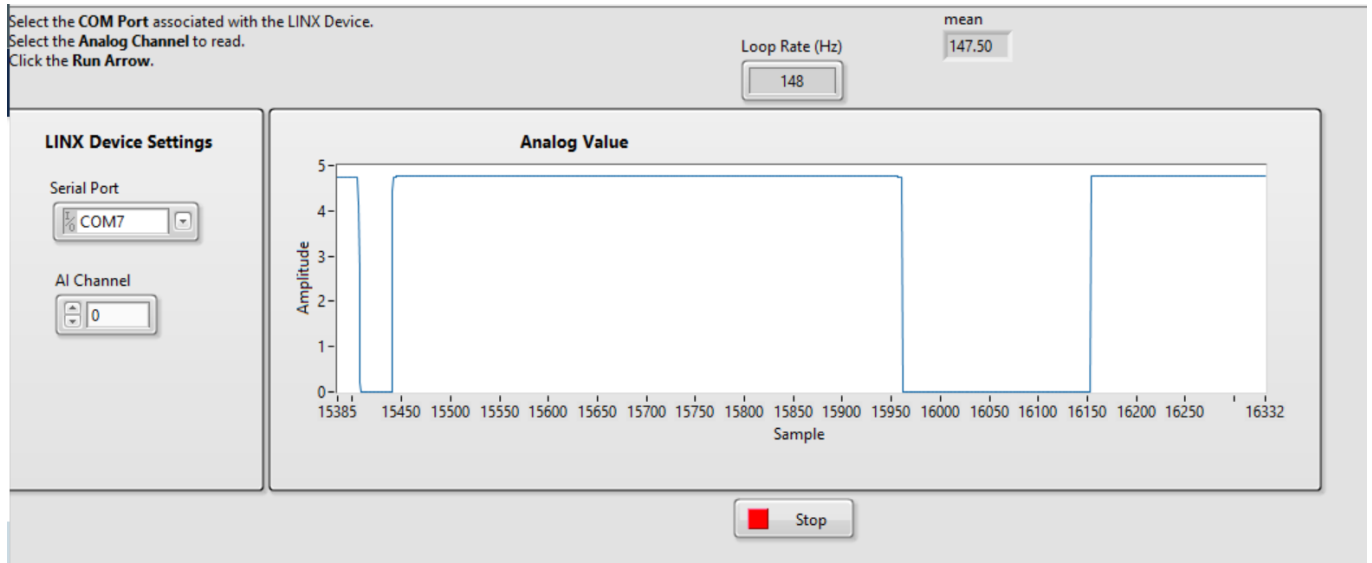
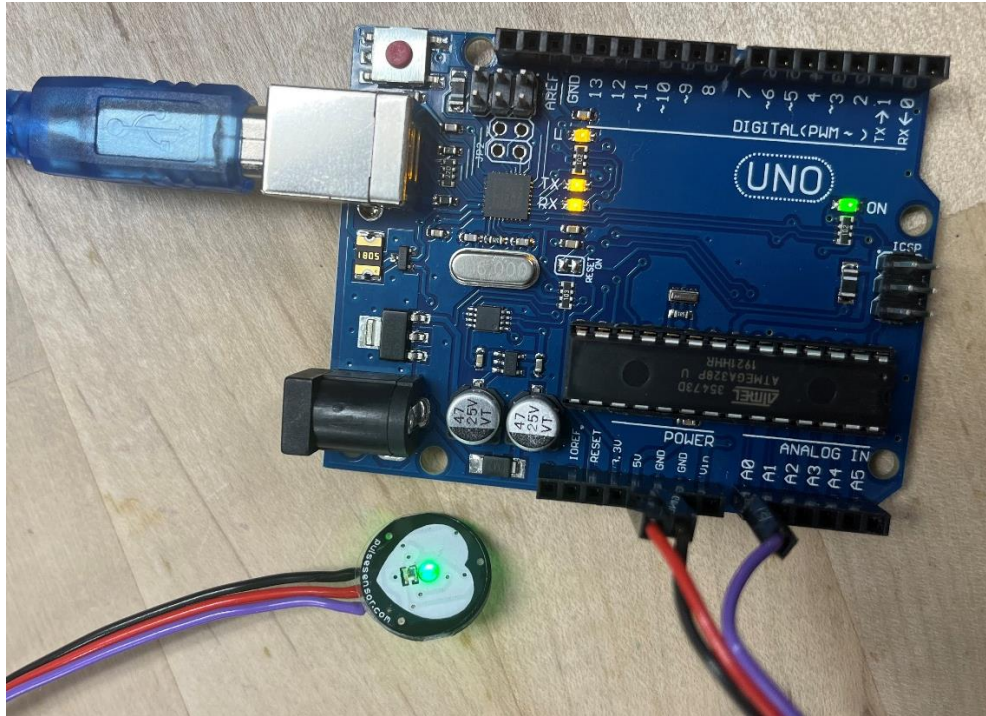


BMME 385 Project #1 – Lamis Hammouda

PART 1. N/A

PART 2.

9. Setup and LabVIEW screenshots:



10. Sensor placed on index finger:

Select the **COM Port** associated with the LINX Device.
Select the **Analog Channel** to read.
Click the **Run Arrow**.

Loop Rate (Hz)

153

mean

152.30

LINX Device Settings

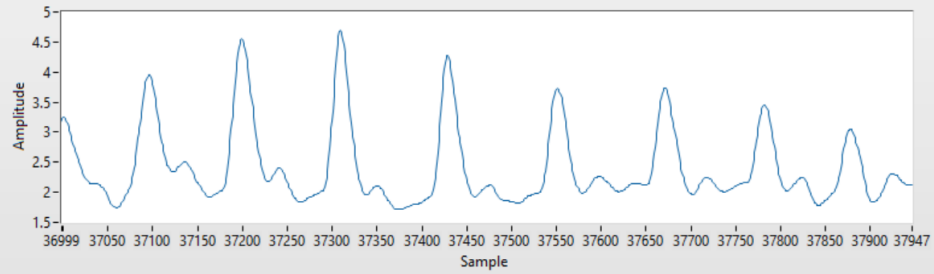
Serial Port

COM7

AI Channel

0

Analog Value



Stop

PART 3.

Lamis Hammouda Project 1.vi

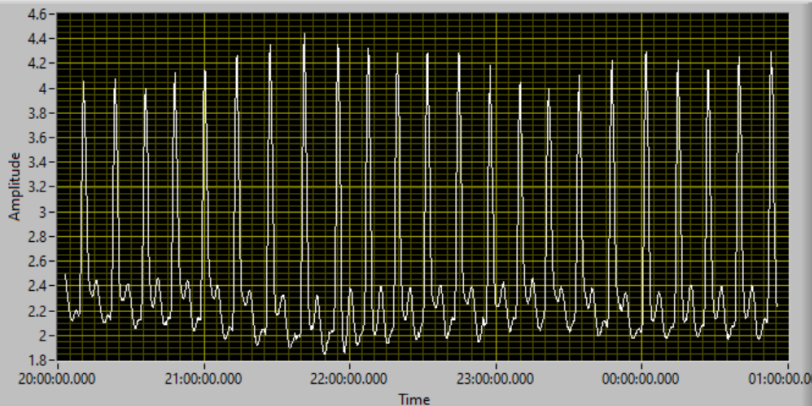
File Edit View Project Operate Tools Window Help

analog input values from a LINX device connected to the host computer via Serial / USB.

the LINX Device.

XY Graph

Plot 0



Total Sample Array dimension size

2000

PEAK DETECTION ON?



peaks/valleys

Peaks

width

8

threshold

3.50

BPM Average

77.90

BPM Standard Deviation

4.16

BPM Range

14.3047

found

23

Amplitudes

4.24735

4.26013

4.12762

4.28464

4.36344

4.17406

4.07667

3.99201

4.04817

4.19427

4.31065

4.21539

4.28516

4.42796

4.49118

4.42129

4.38188

4.2689

4.14034

Locations

15.8411

109.325

196.038

278.691

370.721

466.75

559.732

643.874

724.378

806.463

895.473

983.052

1066.75

1146.87

1232.02

1324.74

1420.52

1515.37

1605.52

Peak-to-Peak Time (s)

0.7940

0.7643

0.7342

0.7912

0.8474

0.8056

0.7521

0.7050

0.7345

0.7762

0.7786

0.7347

0.7185

Indexed Times

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

12115

BPM

75.5629

78.4951

81.719

75.8307

70.7979

74.4778

79.773

85.1027

81.6842

77.2969

77.0532

81.6584

83.4998

Filtered BPM

75.5629

78.4951

81.719

75.8307

70.7979

74.4778

79.773

85.1027

81.6842

77.2969

77.0532

81.6584

83.4998