How to use DataStudio for Part 1

Physics 23 Lab O1

Missouri University of Science and Technology
DataStudio icon on desktop
Create Experiment

How to use DataStudio

Welcome to DataStudio

How would you like to use DataStudio?

- Open Activity
- Enter Data
- Graph Equation
- Create Experiment
Left-click input 1

Click any channel to add a sensor.
Add Photogate > OK
Left-click input 2
Add Photogate > OK
Setup Timers

Add Sensor or Instrument...  Setup Timers...  Calibrate Sensors...

Data
- Time In Gate, Ch 1 (s)
- Time In Gate, Ch 2 (s)
- Velocity Between Any Gates, Ch 2

Photogate
- Measurements
- Visibility, Name
- Unit of Measure

- State, Ch2
- Time In Gate, Ch 2
- Time In Any Gate, Ch 2

DataStudio
- File
- Edit
- Experiment
- Window
- Help
- Summary
- Setup
- Start
- STOP 00:00:00.0
- Calculate
Timer 1: Ch 1 blocked

DataStudio

Add Sensor or Instrument...  Setup Timers...  Calibrate Sensors...  Sampling Options...

Timer Setup

Label:
Timer 1

Timing Sequence:

Visibility, Name
- State, Ch1
- Time In Gate, Ch 1
- Velocity Between Any Gates, Ch 2

Measurements

Const

Timing Sequence Choices

Blocked
Unblocked
Timer 1: Ch 2 blocked
Timer 1: Add table for timer
Table: start button