

Encoder Working Principle

How to use

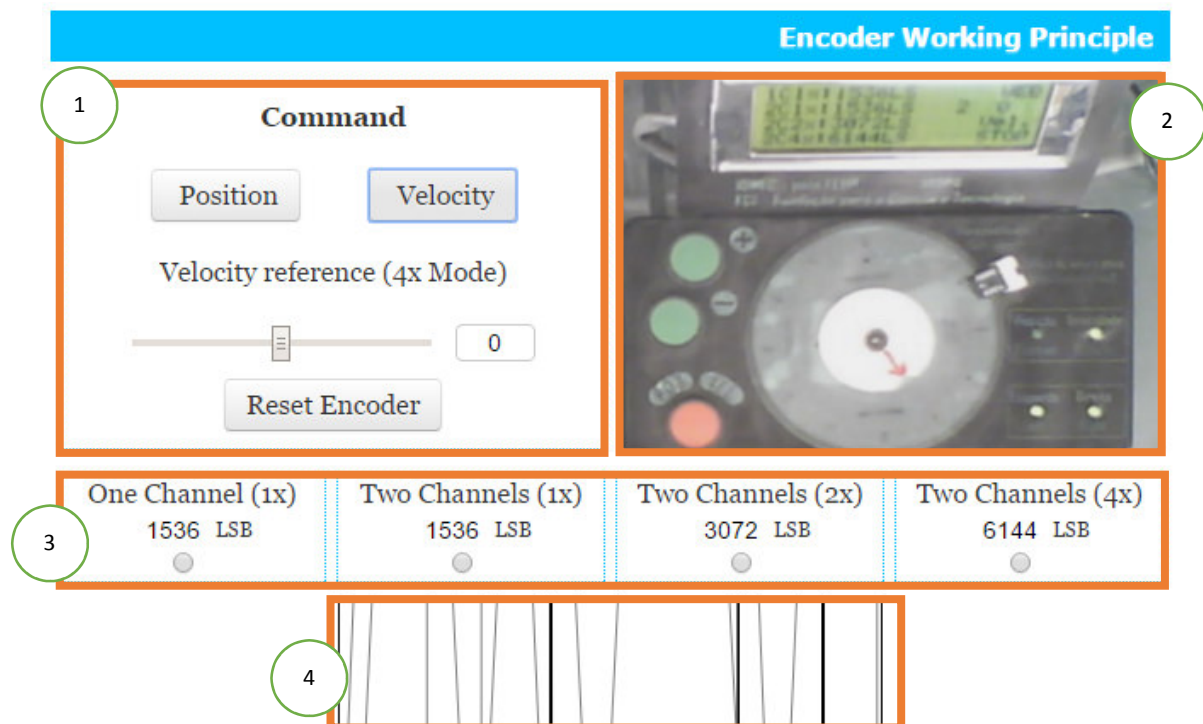
Attention

This remote experiment interface works with the most common browsers. However there are some problems with Internet Explorer / Edge browsers with live view.

Access instructions

Accessing the application involves the following steps:

- I. "Go to the application" link (same webpage of this tutorial);
- II. "Log in as a guest" button (inside the Moodle platform);
- III. "Encoder Working Principle" link (topic 1);
- IV. The application should load the interface depicted below.



Interface features

The interface comprises four sections:

1. Command for selecting the given reference type (position/velocity) using a slider and for resetting the encoder counter;
2. Remote experiment live view;

3. Data table where it is possible to read the values of the encoder and select which data will be plotted in the graphic;
4. Graphic (coming soon).

Operation modes

Position

In this mode, the position reference is given by the slider and can be set from -9000 to 9000. This value correspond to the number of bits.

Velocity

In this mode, the velocity reference is given by the slider and the velocity value can be set between -10 and 10.