

Configuring a TPS potentiometer with RS3

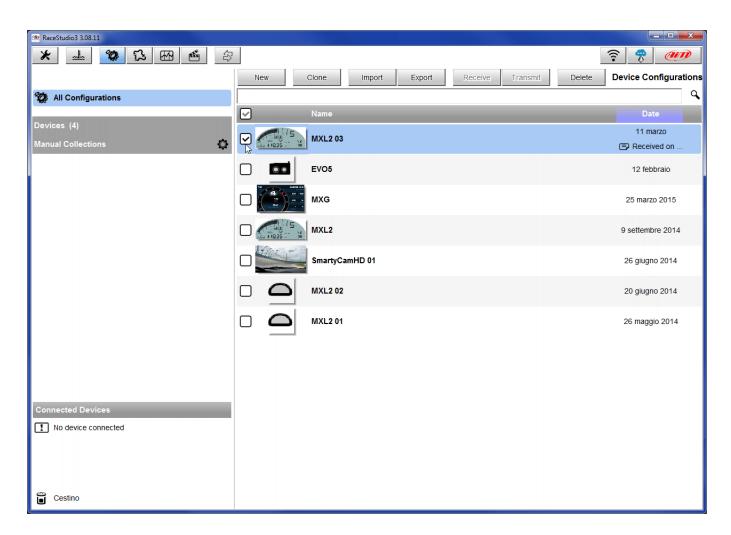
Question:

How do I configure the TPS potentiometer installed on my car/bike using RS3?

Answer:

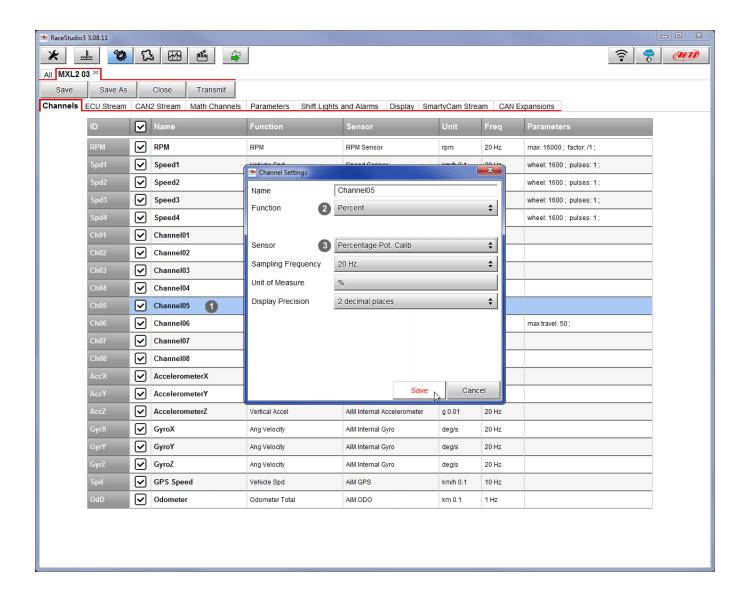
The TPS potentiometer is configurable using RS3 in the way shown here below:

- Run the software RS3.
- Click "Configuration" (and select the configuration you are going to load the sensor on.





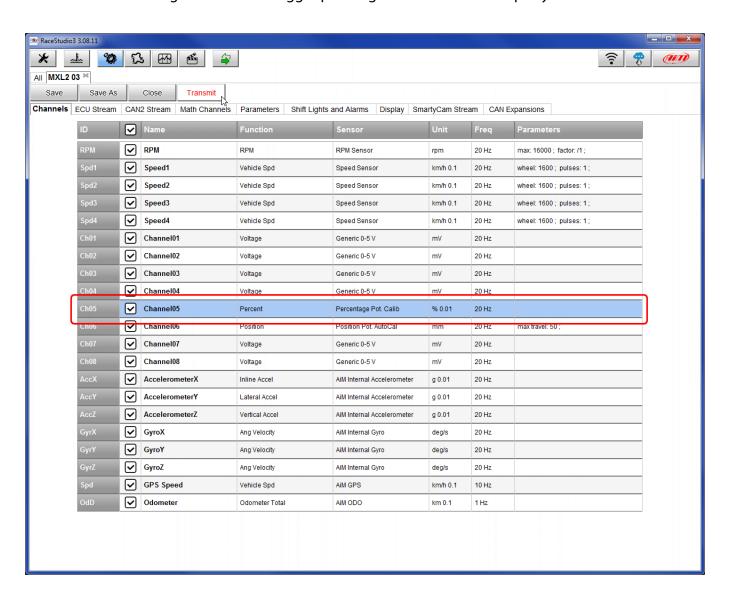
- Enter the configuration (in the example MXL2 03) and the related "Channels" layer.
- Select the channel where to set the potentiometer on in the example channel 5 (1) and fill in the panel that shows up.
- Function: "Percent" (2; also "Position" and "Angle" function can be selected, but the potentiometer total motion must be known accurately, respectively in millimeters and in degrees).
- Sensor: "Percentage Pot. Calib" (**3** this implies that the potentiometer will be calibrated as shown in the following pages).
- Fill in the other fields.
- Click "Save".





When the software comes back to "Channels" layer the potentiometer has been set on the desired channel as shown here below.

Transmit the configuration to the logger pressing "Transmit" on the top keyboard.



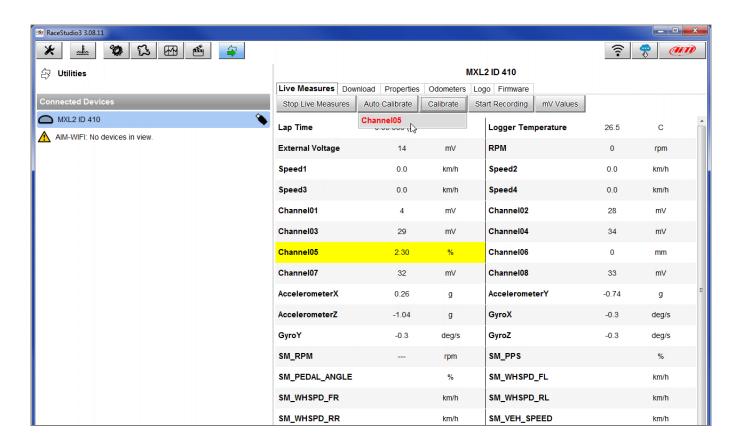


To calibrate the potentiometer:

- Press "Device" ()on the top keyboard.
- Select the configuration in the example "MXL2 ID 410".

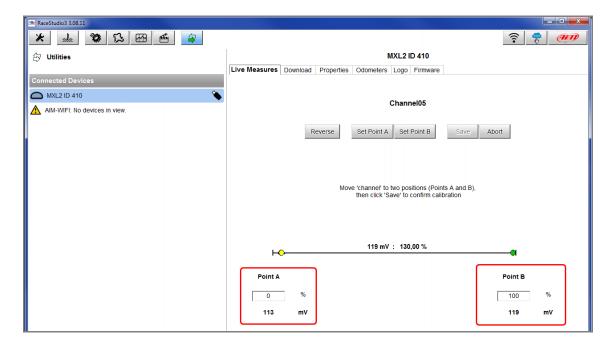


- Press "Calibrate".
- The system shows all channels to be calibrated: choose the one where the potentiometer has been set in the example "Channel 5".





- Fill in the values corresponding to the two measure points:
 - "0" for point "A".
 - o "100" for point "B".



- With the potentiometer in its zero position press "Set Point A" as shown here below on the left;
- With the throttle all open press "Set Point B" as shown here below on the right.
- Press "Save".

