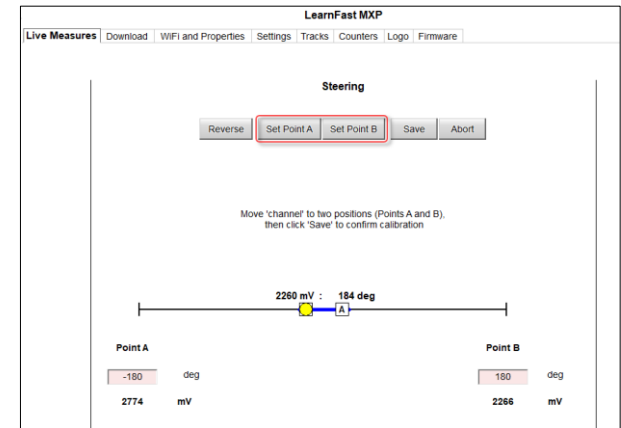
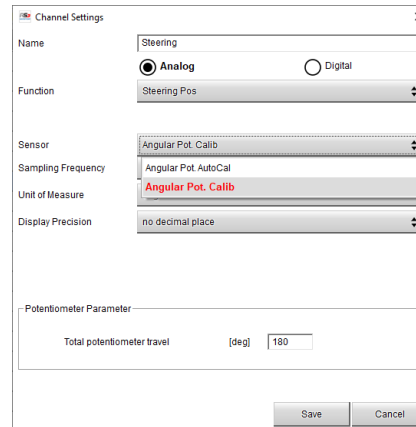
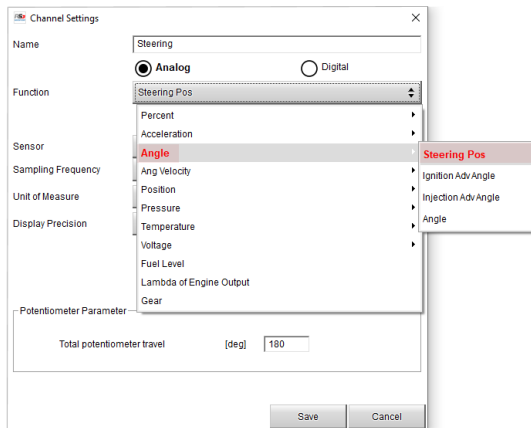


Configuring & Calibrating RS3 Sensors



Steering, Throttle, Suspension, and Fuel Level



Host:

Roger Caddell

AiM Sports - National Training Manager



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AiM Sports National Training Manager

LearnFast™



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Configuring & Calibrating RS3 Sensors



Steering, Throttle, Suspension Documents

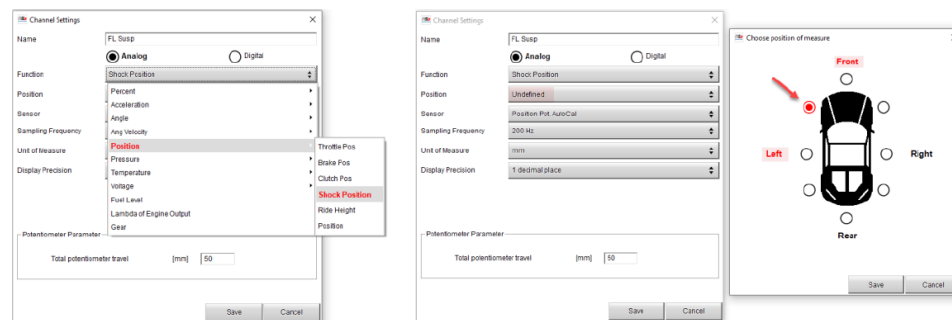
- Setting Up and Calibrating a Steering Wheel Position Sensor in Race Studio 3
<https://www.aimsports.com/webinars/Documents/RS3SteeringSensorCalibrationInstructions.pdf>
- Setting Up and Calibrating a Throttle Position Sensor in Race Studio 3
<https://www.aimsports.com/webinars/Documents/RS3ThrottleSensorCalibrationInstructions.pdf>
- Setting Up and Calibrating a Suspension Position Sensor in Race Studio 3
<https://www.aimsports.com/webinars/Documents/RS3SuspensionSensorCalibrationInstructions.pdf>

Setting Up and Calibrating a Suspension Position Sensor in Race Studio 3

Select the Channel you have the sensor attached to and name the channel **FL Susp**, **Susp** etc.

Then click on the Function pulldown box. Select **Position** and then **Shock Position**.

Then click on the Position pulldown box. On the vehicle graphic, Select the **Position** (Front Left in this example)



Documents Above are Linked in the Live Chat and in the YouTube Description



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Config & Calibrate RS3 Sensors

Downloadable Documents

LearnFast™

Live Race Studio 3 Demonstration



Channel Settings

Name: Steering

Function: ☒ Analog ☐ Digital

Function: Steering Pos

Sensor: Angular Pot. Calib

Sampling Frequency: 20 Hz

Unit of Measure: deg

Display Precision: no decimal place

Potentiometer Parameter

Total potentiometer travel [deg] 180

Save Cancel

Steering Channel Settings

Channel Settings

Name: Throttle

Function: ☒ Analog ☐ Digital

Function: Pct Throttle Load

Sensor: Percentage Pot. Calib

Sampling Frequency: 20 Hz

Unit of Measure: %

Display Precision: no decimal place

Potentiometer Parameter

Total potentiometer travel [deg] 180

Save Cancel

Throttle Channel Settings

Channel Settings

Name: FL Susp

Function: ☒ Analog ☐ Digital

Function: Shock Position

Position: Front Left

Sensor: Position Pot. AutoCal

Sampling Frequency: 200 Hz

Unit of Measure: mm

Display Precision: 1 decimal place

Potentiometer Parameter

Total potentiometer travel [mm] 100

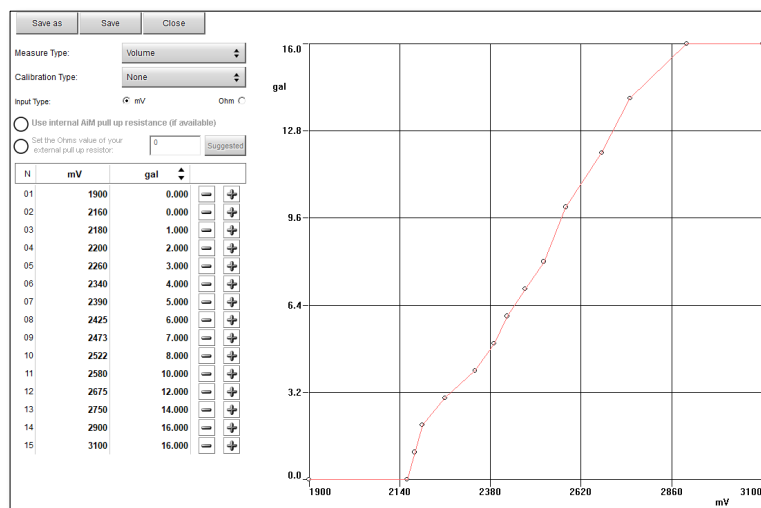
Save Cancel

Suspension Channel Settings

Fuel Level

Custom Sensor and Configuration

- Gather Fuel Level Values – Read Values in ‘Live Measures’
- Create Race Studio 3 Custom Fuel Level Sensor
- Configure the Analog Channel as a Fuel Level Sensor
- Sampling Frequency and Measure Filter Level
- AiM Fuel Level FAQ Document:
https://www.aimsports.com/webinars/Documents/FAQ_RS3_Fuel_level_101_eng.pdf



Custom Sensor - Fuel Level Example

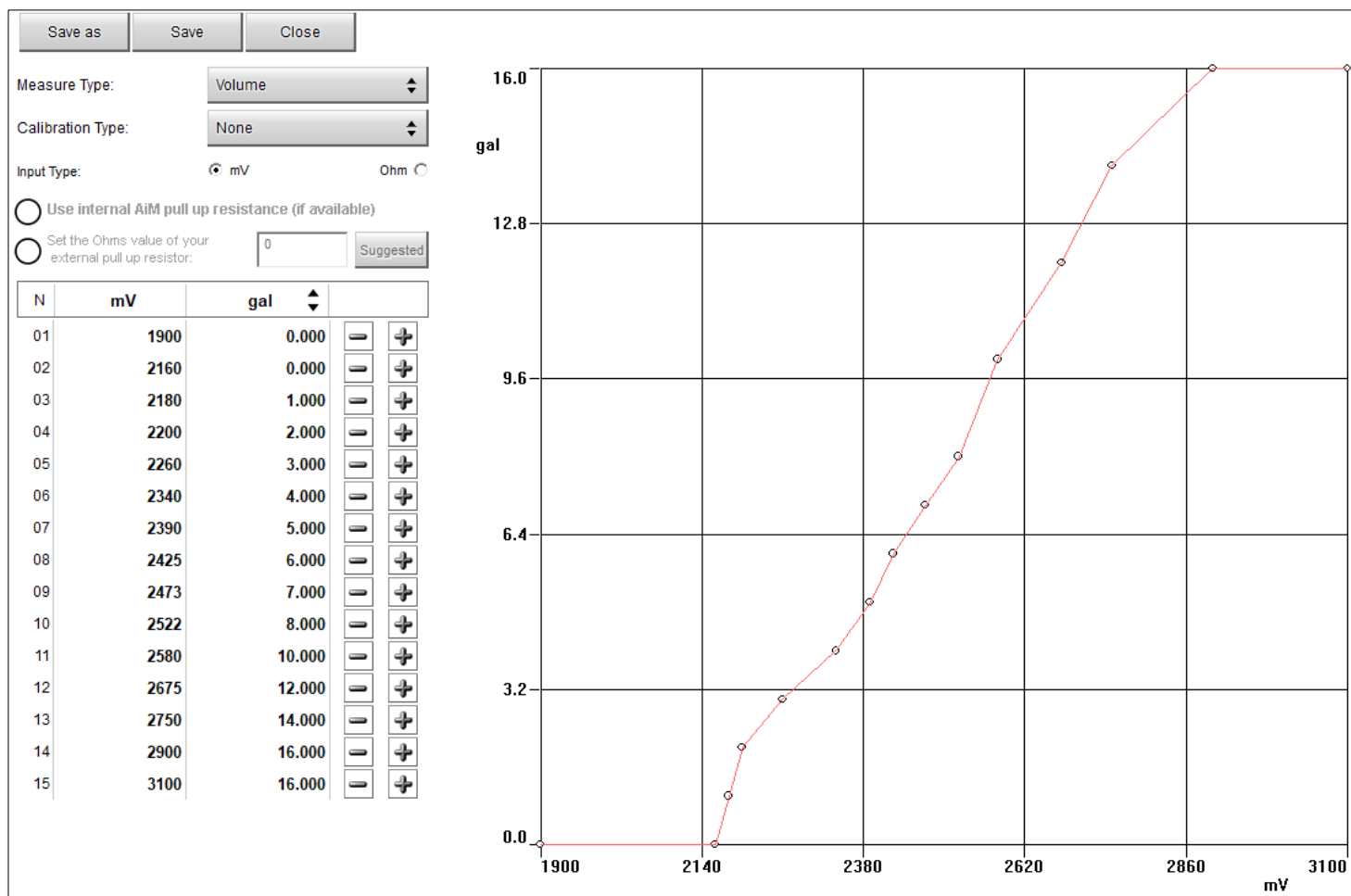
The screenshot shows the 'Channel Settings' window for 'Fuel Level'. It includes fields for Name, Function, Sensor, Sampling Frequency, Unit of Measure, Display Precision, and Measure Filter Level.

Channel Settings
Name: Fuel Level
Function: Fuel Level
Sensor: Webinar Fuel Level Sensor
Sampling Frequency: 1 Hz
Unit of Measure: gal
Display Precision: 1 decimal place
Measure Filter Level: Low pass 64.000 sec

Fuel Level Channel Settings

Documents Above are Linked in the Live Chat and in the YouTube Description

Live Race Studio 3 Demonstration



Config & Calibrate RS3 Sensors

Live Race Studio 3 Demonstration

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Configuring & Calibrating RS3 Sensors
Steering, Throttle, Suspension, and Fuel Level

Host:
Roger Caddell
AIM Sports - National Training Manager

aimsports.com Tuesday November 16th, 2021 LearnFast™

- All New 2020 - 21 Webinar Videos
 - Software Updates with Race Studio 3
 - Pre-Calculated Gear Position Function
 - Configuring WiFi Communication
 - Customizing AiM Device Logos
 - Race Studio 3 Basic Configuration - Part 1
 - Race Studio 3 Basic Configuration - Part 2
 - **I Have Downloaded my Data, Now What - Part 1*
 - **I Have Downloaded my Data, Now What - Part 2*
 - GPS Lap Insert
 - Data Views
 - Measure Units
 - Sort Channels
 - Test Properties
 - Per Lap Color
 - Export Tests
 - Channel Reports
 - Setting Time
 - Track Mapping
 - Selection Criteria
 - Sensor Calibration
 - Conditional Alarms
 - Gear Position
 - Firmware Update
 - Solo Configuration
 - Transmit Tracks
 - Gps Manager Overview
 - New GPS Track
 - Webinars
- * Most Popular and Recommended*

Professional Driving Coach
Edward Zolinski

Host:
Roger Caddell
AIM Sports - National Training Manager

Guest:
Edward Zolinski
Professional Driving Coach

aimsports.com Tuesday November 9th, 2021 LearnFast™

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Bringing Data Support and Training to You

Data Download Options
In Race Studio 3

March 31st, 2020

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Additional Materials

LearnFast™ E-Training Videos

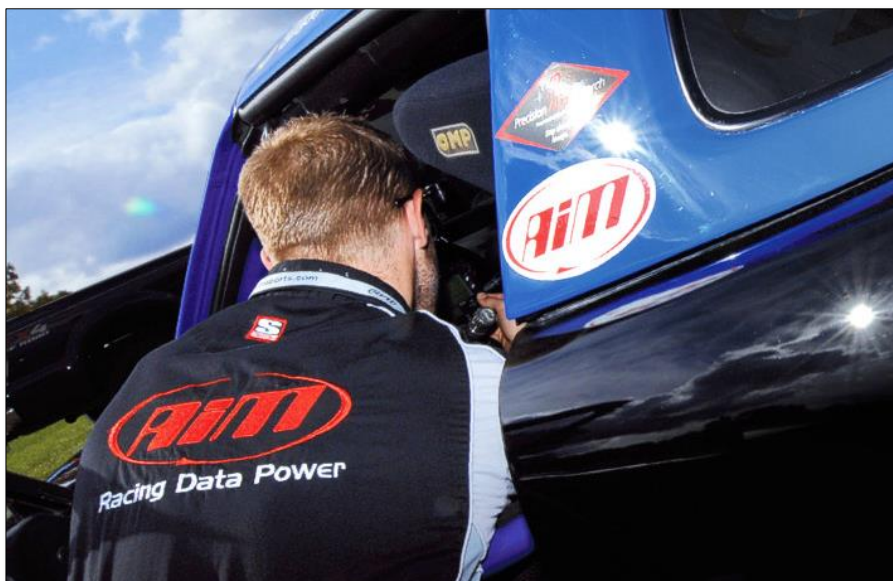
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Another Chat with Larry McReynolds

Current Use of Data in Stock Car Racing



Host:

Roger Caddell

AIM Sports - National Training Manager

Guest:

Larry McReynolds

Fox Sports Racing Analysis

Next Webinar: Tuesday Nov 30th, 2021 - 10:00am Pac/1:00pm East



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Next Webinar

Another Chat with Larry McReynolds

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Contact Information



Channel Settings

Name: Steering

Function: **Steering Pos**

Sensor: Angle

Sampling Frequency: Ang Velocity

Unit of Measure: Position

Display Precision: Voltage

Potentiometer Parameter: Total potentiometer travel [deg] 180

Save Cancel

Channel Settings

Name: Steering

Function: Steering Pos

Sensor: Angular Pot. Calib

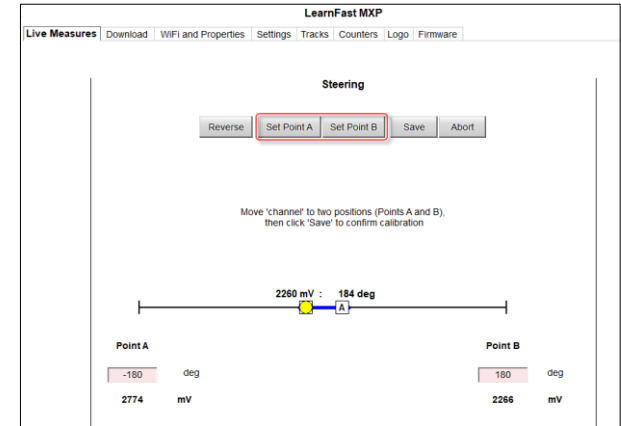
Sampling Frequency: Angular Pot. AutoCal

Unit of Measure: Angular Pot. Calib

Display Precision: no decimal place

Potentiometer Parameter: Total potentiometer travel [deg] 180

Save Cancel



Host:

Roger Caddell

AiM Sports - National Training Manager
roger@aimsports.com

