



IMSA TECHNICAL MEMO IWSC #20-02

To: All IMSA WeatherTech SportsCar Championship Participants

From: IMSA Competition

Date: 23 October 2019

Re: 2020 Fuel Flow Sensor Firmware Update, Recalibration and Procurement Form

This Technical Memo pertains to the in-car Fuel Flow Sensors required for DPi, GTLM, and GTD. This Technical Memo does not pertain the autonomous rig fuel level sensor.

For the 2020 IMSA WeatherTech SportsCar Championship season, all Fuel Flow Sensors are required to have version 2.11A firmware installed. Currently only new sensors shipped to competitors since September 2019 have this firmware update installed. Sentronics is the only authority who can apply this firmware update.

This firmware version provides improved measurement capabilities and adds a time remaining service counter, enabling teams to directly monitor the number of hours remaining on the sensor before calibration expires. Calibrations are valid for 150 hours of fuel flow time.

With the upgrade to version 2.11A firmware, flow sensor re-calibration and adjustment is required. Pricing and details are found on the following pages.

To help minimize costs to competitors, Sentronics have provided a US shipping address and will manage all import/export activities to and from the UK.

A strict shipping deadline of November 25th to the US address supplied on the following pages must be respected (the goods must be received by the end of the day) or the upgraded units may not be available for the Daytona ROAR. Fuel Flow Sensors are a mandatory requirement per the DPi, GTLM, and GTD Technical Regulations.

Please contact Sentronics for inquires related to the current version of firmware on your sensor. The attached document from Sentronics includes the necessary detail required to return the sensor for the firmware update and recalibration. Also attached is the Sentronics 2020 order form for new Fuel Flow Sensors.



2020 IMSA Fuel Flow Sensor Order Form

This order form serves to facilitate the re-calibration of existing fuel flow sensors for the 2020 race season, or to purchase new stock/additional spares. New entrants for 2020 must also use this form to purchase the IMSA mandated fuel flow sensor.

*****IMPORTANT: PLEASE NOTE THE FOLLOWING*****

- 1. All flowmeters returned to Sentronics past the deadline of the 25th of November will not be accepted and will be returned to sender. In this event; New sensors must be purchased from Sentronics for use at the Daytona Roar. The November 25th deadline must be respected.**
- 2. Sensors requiring re-calibration must be shipped to Sentronics as per the 'sending sensor to Sentronics' instructions as found on page 3.**
- 3. Re-calibration costs must be paid ahead of sensor shipment to the Sentronics USA address.**

Team name:

Racing category:

DPI <input type="checkbox"/>	GTLM <input type="checkbox"/>
GTD <input type="checkbox"/>	

Team Engineering contact:

Name:
Email:
Telephone number:

Team Accounts contact:

Name:
Email:
Telephone number:

Invoice Address:

Address Line 1	
Address Line 2	
City	State/Province
Post Code	Country
Receiver TAX ID No.	

Shipping address:

Address Line 1	
Address Line 2	
City	State/Province
Post Code	Country

Order requirements:

New Sensor Order

Part number	Description	Cost	Quantity Required
ET-100-01	IMSA Fuel Flow Sensor DPI/GTLM	£2,670.00 GBP sterling (+ Express Shipping)	
ET-200-01	IMSA Fuel Flow Sensor GTD		

Re-calibration and Firmware Upgrade Order (HIGHLY IMPORTANT: SHIPPING PROCEDURE HAS CHANGED SINCE 2019, PLEASE SEE OVER-LEAF)**

Part number	Description	Cost	Quantity Required	Serial Numbers
ET-100-01	IMSA Fuel Flow Sensor DPI/GTLM	£875.00 GBP sterling (+ Express Shipping)		
ET-200-01	IMSA Fuel Flow Sensor GTD			

By signing below, I agree to pay for the items selected above at the listed price.

Signature: _____ Date: _____

Payment information

Order acknowledgements & Proforma Invoices will be issued on receipt of the completed order form.

Payment accepted by bank transfer prior to delivery.

Account name: **Sentronics Client Account**

DUNS No: **21-975-3919**

Account number: **25740334**

BIC/Swift: **NWBKGB2L**

Sort code: **52-21-34**

IBAN: **GB25NWBK52213425740334**



Any used (2019) units requiring firmware upgrade and calibration must be shipped to our USA shipping address prior to the 25th of November.

Sentronics Ltd will manage all import/export procedures to simplify and reduce costs for our USA based customers.

INSTRUCTIONS FOR SENDING SENSORS TO SENTRONICS FOR CALIBRATION AND FIRMWARE UPGRADE

USA Shipping Address:

David Aronson
Sentronics Limited
35 Wallis Road
Chestnut Hill MA 02467 USA

Tracking Email: jnj@sentronics.com

Phone No: 617-893-1678

All Shipments to be:

1. On shipper's account at the team's expense.
2. Designated as 'signature required'.
3. Insured for full replacement value by the shipper. (In the event of shipping damage or loss to Sentronics USA address)
4. Packed in the original Sentronics supplied Peli Case.