

POD-300 DIGITAL DISPLAY

dynojet®

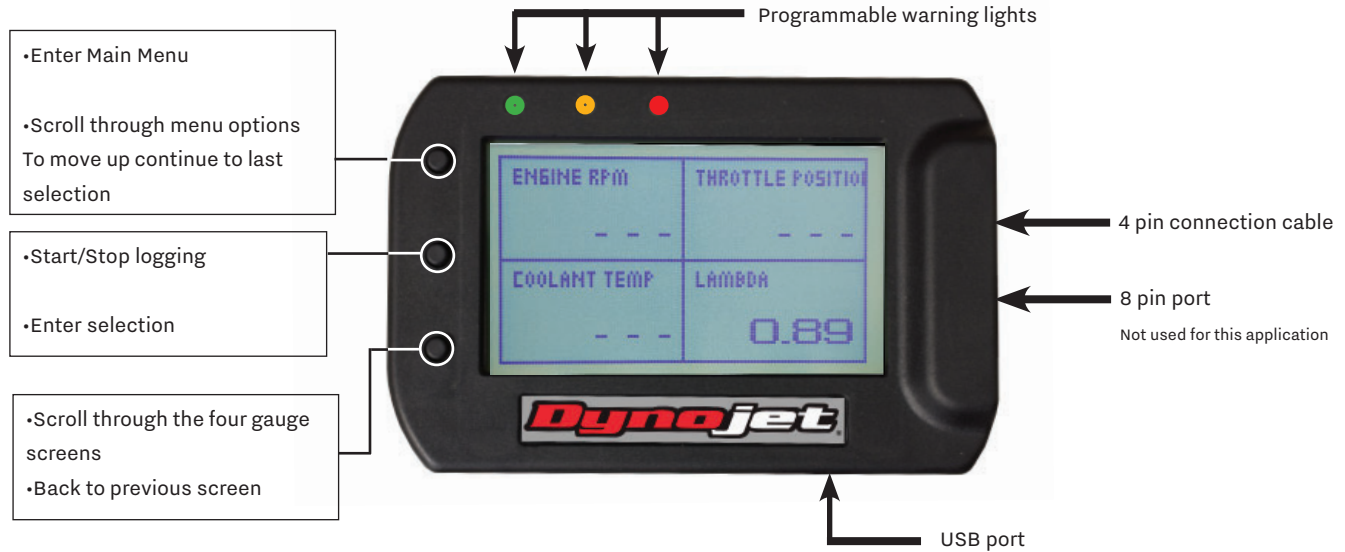
× PARTS LIST

- | | | | |
|---|-----------|---|----------------|
| 1 | POD-300 | 2 | VELCRO |
| 1 | CAN CABLE | 2 | DYNOJET DECALS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |

DO NOT OPERATE DEVICE WHILE DRIVING. PERFORM ALL ADJUSTMENTS OR CHANGES WHILE VEHICLE IS STOPPED. CHANGING A SETTING WHILE UNDER WAY CAN INTERFERE WITH YOUR ATTENTION TO THE ROADWAY.

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

OVERVIEW



INSTALLING THE POD-300

Optional mount shown - part #61300062



- 1 Secure the POD-300 to the vehicle using the supplied Velcro or suitable mount. Make sure the POD-300 will not interfere with the operation and steering of the vehicle. Visit www.dynojet.com for an array of mounting solutions for your POD-300.

The mounting holes on the back of the module use the standard AMP style pattern.

- 2 Attach the supplied cable to the port on the side of the POD-300 and run the other end of the cable to an open CAN port of the PCV/6 network.

Note: This can connect to the PCV, PC6, Ignition Module, or SFM; whichever has an open CAN port. If your network currently has a CAN termination plug occupying the open port, you can remove the CAN termination plug; the plug will no longer be necessary.

GAUGE SETUP

This menu allows you to setup your channels to display. The POD-300 has four preset gauge template screens. You can view up to four channels at a time per gauge screen.

- 1 From the Main Menu, select **Gauge Setup**.
- 2 Click on **Display Value A**. This will be the channel in the upper left corner of Screen 1.
- 3 Choose Internal, PCV/6, or WB2 channel to display.

Internal Channels: Internal channels are from the POD-300 (time, CPU usage).

PCV/6 Channels: PCV/6 channels are from the PCV/6 network. What modules and/or features you have enabled will dictate what channels you can view.

WB2 Channels: WB2 channels are from a WB2 or Autotune. If you are trying to view AFR and you have an Autotune, this is where you will get that channel. On a dual channel Autotune, you will get the AFR channels under the PCV/6 list. If you have a single channel Autotune or WB2, you will get this channel from the WB2 list.

LED ALARM SETUP

Setup the three lights to illuminate based on channels from the PCV/PC6/WB2. Alarms can be setup based on 1-3 channels and triggered by less than or greater than.

- 1 From the Main Menu, select **LED Alarm Setup**.
- 2 Choose the **LED color** you wish to set up. The green LED is on the left, the orange LED is in the middle, and the red LED is on the right.
- 3 Choose **One Channel Alarm**, **Two Channel Alarm**, or **Three Channel Alarm**.

One Channel Alarm Example: RED light is triggered when Engine RPM is greater than 10000rpm.

Two Channel Alarm Example: ORANGE light is triggered when AFR is greater than 14.0 and greater than 60% throttle.

Three Channel Alarm Example: GREEN light is triggered when AFR is greater than 12.8 and less than 13.8 and greater than 10% throttle.

LOGGING SETUP

Log selected channels and view them later in .csv format. The POD-300 has four slots of internal memory you can log to. Once the slot is full, logging will automatically stop. If a slot is full, the POD-300 will automatically start logging to a new slot on the next initialization. If you START/STOP a log and the slot is not full, on your next log initialization the POD-300 will write to a new slot.

- 1 From the Main Menu, select **Logging Setup**.
- 2 Select **Add Channels** to choose which channels you want to log.
- 3 Select **Remove/View Chans** to remove the channels from the list you want to log. Removing a channel places that channel back into the main Add Channel list.
- 4 Select **Delete Logs** to remove stored logs from the POD-300.
- 5 Select **Set Sample Rate** to set the sampling rate which the data will be exported.

PCV/6 FUEL TRIMS

This menu allows you to adjust the PCV/6 fuel trims for the low, mid, and high RPM ranges.

- 1 From the Main Menu, select **Device Setup>PCV/6 Fuel Trims**.
- 2 Select **Low** to adjust the first third of your RPM range. Use the +/- symbols to increase/decrease the fuel of this range.
- 3 Select **Mid** to adjust the second third of your RPM range. Use the +/- symbols to increase/decrease the fuel of this range.
- 4 Select **High** to adjust the last third of your RPM range. Use the +/- symbols to increase/decrease the fuel of this range.

Example: If your engine's RPM range is 12000rpm LOW+0-4000, MID=4001-8000, and HIGH=8001-12000.

Note: These ranges can be adjusted in Control Center Software or Power Core Software if desired.

WB2 LAMBDA SETUP

This menu allows you to setup the WB2 lambda settings.

- 1 From the Main Menu, select **Device Setup>WB2 Lambda Setup**.
- 2 Select **Stoich Value** to set predetermined stoichiometric values for different fuels.
- 3 Select **Lambda Smoothing** to smooth, or average, the AFR and Lambda channels. Lower values will result in the highest resolution, minimal latency, and would be preferred in situations where you are datalogging.
- 4 Select **Lambda Out Threshold**. .9-1.1, default value = 1 - Sets up the Narrowband O2 Out function on the Wideband 2 (green wire). Changing this value will change the AFR that WB2 switches the narrowband signal around. For example, if using a value of .95, the WB2 will emulate a narrowband voltage signal that switches to rich if the Lambda reading is lower than .95, and lean if the Lambda reading is higher than .95.

WB2 RPM SETUP

This menu allows you to setup the WB2 RPM settings.

- 1 From the Main Menu, select **Device Setup>WB2 RPM Setup**.
- 2 Select **RPM Multiplier** to adjust the RPM multiplier used for the RPM input on the WB2. In order to acquire an accurate tach signal reading, you will need to adjust this setting for your application. This setting is for WB2 only.
- 3 Select **RPM Smoothing** to smooth the RPM input signal of the WB2. This setting is useful to stabilize or dampen the RPM signal displayed on the WB2.
- 4 Select **RPM Signal Filter** to filter out invalid RPM signal inputs. This setting can be adjusted if you notice the tach reading displayed on the WB2 is unstable, spiking, or otherwise inconsistent.

The following settings are useful for vehicles that have a CDI (capacitive discharge ignition) system.

- 5 Select **RPM Rising Edge** to measure the rising edge on the RPM voltage signal.
- 6 Select **RPM Signal Attenuate**: to make the RPM input signal smaller (less voltage) to filter out noise. This setting is for WB2 only. This setting is either active or inactive.
- 7 Select **RPM Signal Bias** to bias the entire RPM signal input to a higher voltage. The ability to activate this feature is only applied when “RPM Signal Attenuate” is active.

WB2 ANALOG SETUP

This menu allows you to name and configure the 0-5v analog input of the WB2.

- 1 From the Main Menu, select **Device Setup>WB2 Analog Setup**.
- 2 Measure your low and high voltages of this signal and input them accordingly.

DISPLAY SETUP

This menu allows you to adjust the brightness, contrast, and mode of the POD-300.

- 1 From the Main Menu, select **Display Setup**.
- 2 Select **Contrast** to adjust the screen contrast 0-100.
- 3 Select **Brightness** to adjust the brightness of the screen backlight 0-100. The backlight will only be visible when the POD-300 has power from the vehicle.
- 4 Select **Mode** to flip the black and white mode of the screen.

USB MODE

Allows the POD-300 to be put into a PC link mode while the unit is connected to a running vehicle. This allows you to pull the logs while the vehicle is running.

Select **Main Menu>USB Mode**.

EXPORTING AND VIEWING LOG FILES

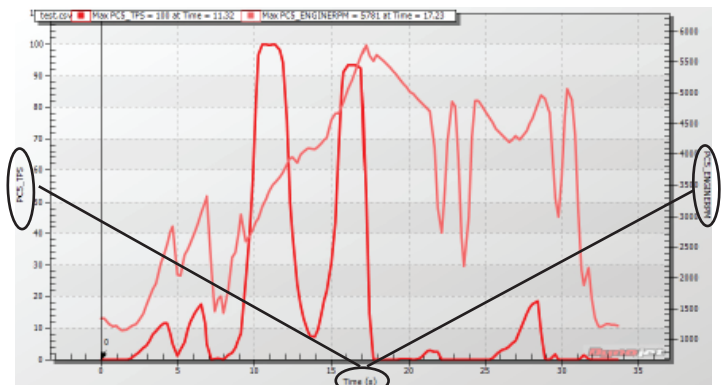
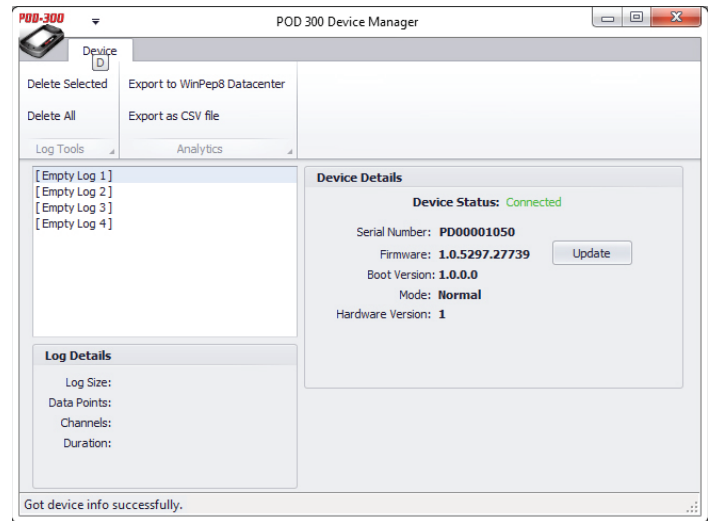
The POD-300 software in Power Core allows you to view, export, and delete logs from the POD-300. This software also allows you to update the firmware if needed.

- 1 Go to www.dynojet.com.
- 2 From the top navigation menu, select **Support>Downloads**.
- 3 Click **Power Vision 3**.
- 4 Click the **Software** drop-down and download the Dynojet Power Core software.
- 5 Double-click the saved file to begin installation. Follow the on-screen prompts. Refer to the Power Core Help for more information.
- 6 From the Application Launcher, click **POD-300**. The POD-300 software will automatically retrieve any logs stored on the device.
- 7 Click on the log file you want to export and choose one of the following:

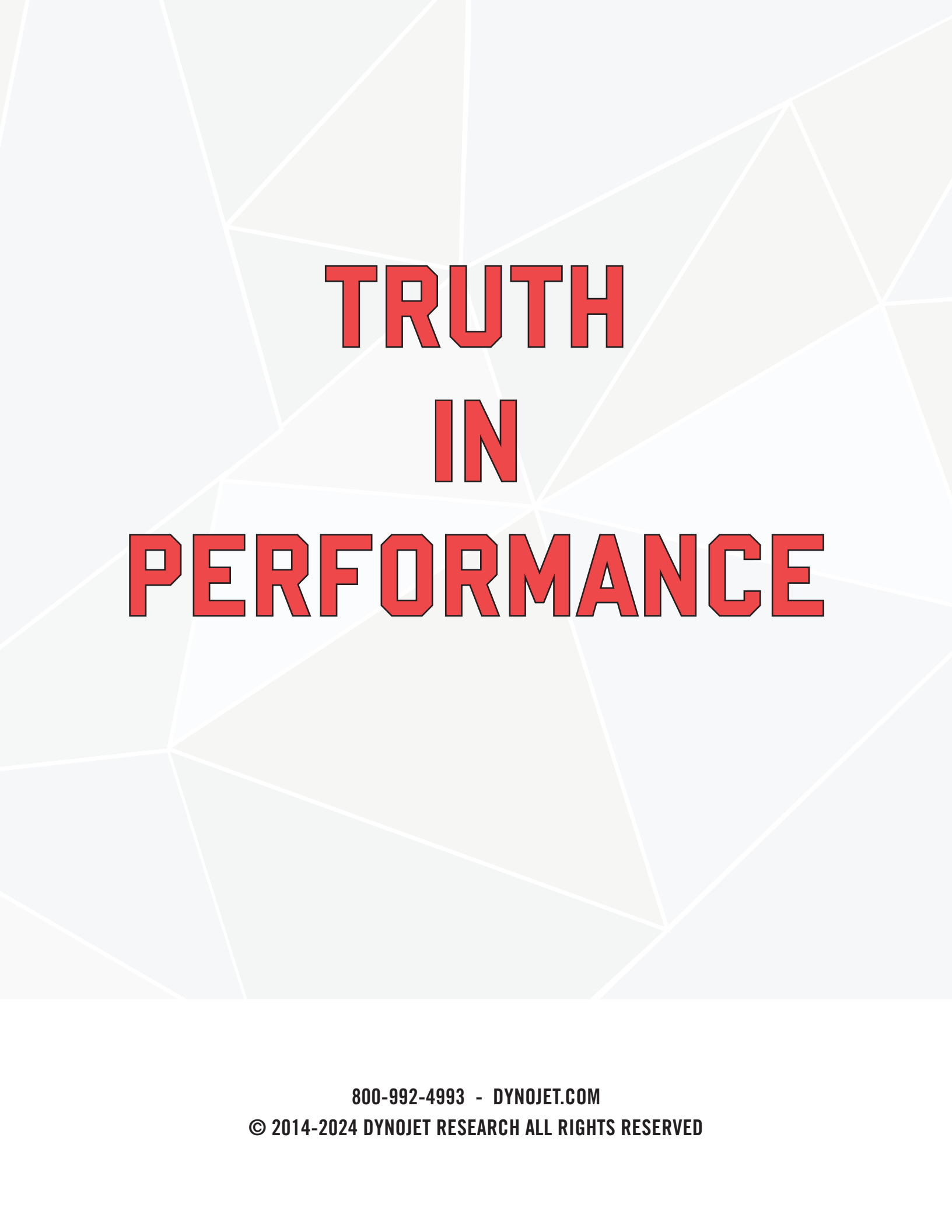
Export to WinPEP 8 Data Center:

- Select the output folder location and click **Export CSV**.
- Data Center will automatically open.
- Click the **X** and **Y axis** of the graph and select which channels you want to view. Only channels logged will be shown as an option.

Export to CSV File: saves file to destination file to be viewed in Microsoft Excel format.



Click here to choose the channels you want to view



TRUTH IN PERFORMANCE

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