



# ScanXL

ScanXL is an advanced diagnostic software package for use exclusively with the ElmScan 5 series of OBD-II compliant scan tools. This feature-packed software will meet the needs of the professional mechanic and automotive enthusiast alike.

## DIAGNOSTICS

-  **Trouble Codes** allows the user to read and clear diagnostic trouble codes from the engine ECU.
-  **Data View** can be configured using **PID Config** to display custom view of sensors and data.
-  **Freeze Frame Data** retrieves the stored “snapshot” of engine parameters when the ECU stores a trouble code.
-  **Oxygen Sensors** displays the sensor locations, voltage thresholds and switch times.
-  **Monitor Status** shows the status of continuous and non-continuous ECU tests (used as a prerequisite for emissions testing in many states).
-  **Alerts** can be set to indicate when a sensor value has reached a user defined value.

The screenshots illustrate the ScanXL software interface. The top window shows the 'Trouble Codes' section with a table of DTCs:

DTC	Description	ECU
P0100	Mass or Volume Air Flow Circuit Malfunction	\$7E8
P0200	Injector Circuit Malfunction	\$7E8

The middle window shows the 'Alerts' section with a list of alert conditions and a 'Settings' panel for configuring alert conditions.

The bottom window shows the 'Oxygen Sensors' section with a table of test results and a graph titled 'Oxygen Sensor Output Example' showing rich and lean sensor output over time.



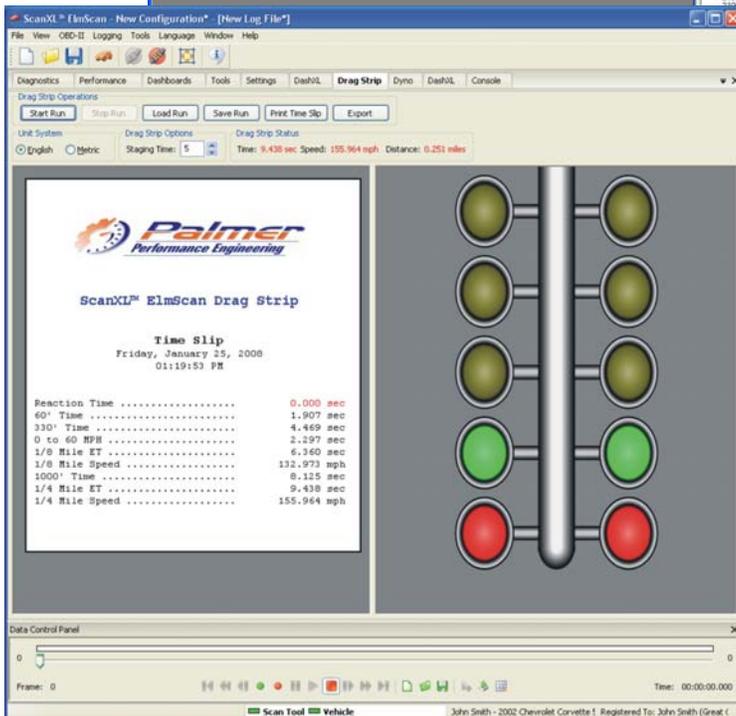
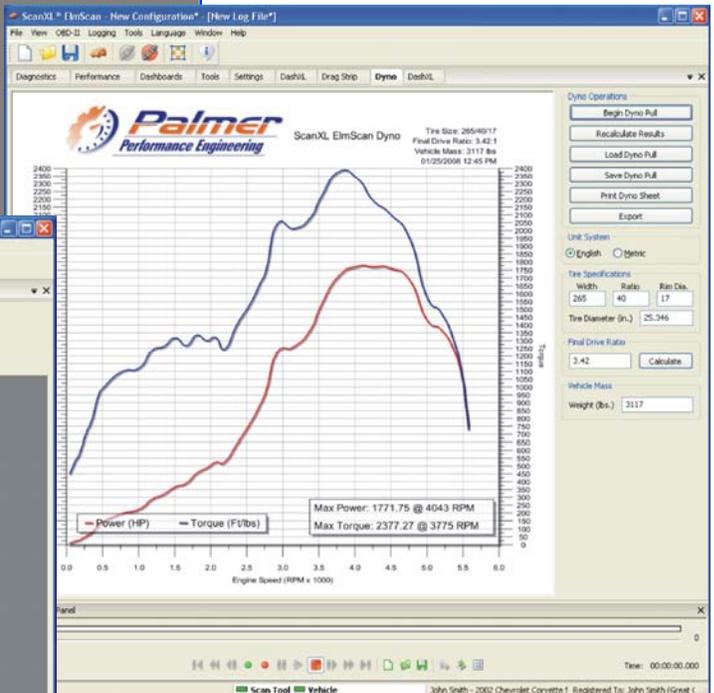
## PERFORMANCE



**Dyno** is used to measure vehicle torque and horse power (manual transmission only).



**Drag Strip** is used to measure vehicle acceleration and top speed.





## DASHBOARDS



**Gauges** displays virtual gauge sets.



**Graphs** displays graphs of sensor values.



**Tables & Maps** creates three-dimensional maps of sensor data.



**DashXL** creates a new DashXL gauges tab.



**Classic Dashboard** creates a new classic dashboard tab.

The screenshot displays the ScanXL software interface with several windows open. The main window shows a dashboard with multiple gauges and graphs. The gauges include RPM (13rpm), Vehicle Speed Sensor (92km/h), Intake Air Temperature (111°F), and Intake Manifold Absolute Pressure (86kPa). The graphs show SPARKADV (27°) and LOAD\_PCT (29%). The tables show SAE data for various sensors.

PID	Name	Value	Units	Min	Avg	Max
SAE.IAT	Intake Air Temperature	44	°C	30	36	4
SAE.LONGFT1	Long Term Fuel Trim - Bank 1	%	-	-	-	-
SAE.LONGFT2	Long Term Fuel Trim - Bank 2	%	-	-	-	-
SAE.MAF	Air Flow Rate from Mass Air Fl	71.19	g/s	6.51	92.82	221.2
SAE.MAP	Intake Manifold Absolute Pres	86	kPa	11	50	€
SAE.RPM	Engine RPM	2413	rpm	1173	4368	621



## TOOLS



**Console** shows a status and error log helpful for software troubleshooting.



**OBD-II Terminal** provides command-line access to the scan tool for troubleshooting connection issues.



**Calculator** displays a basic scientific calculator.



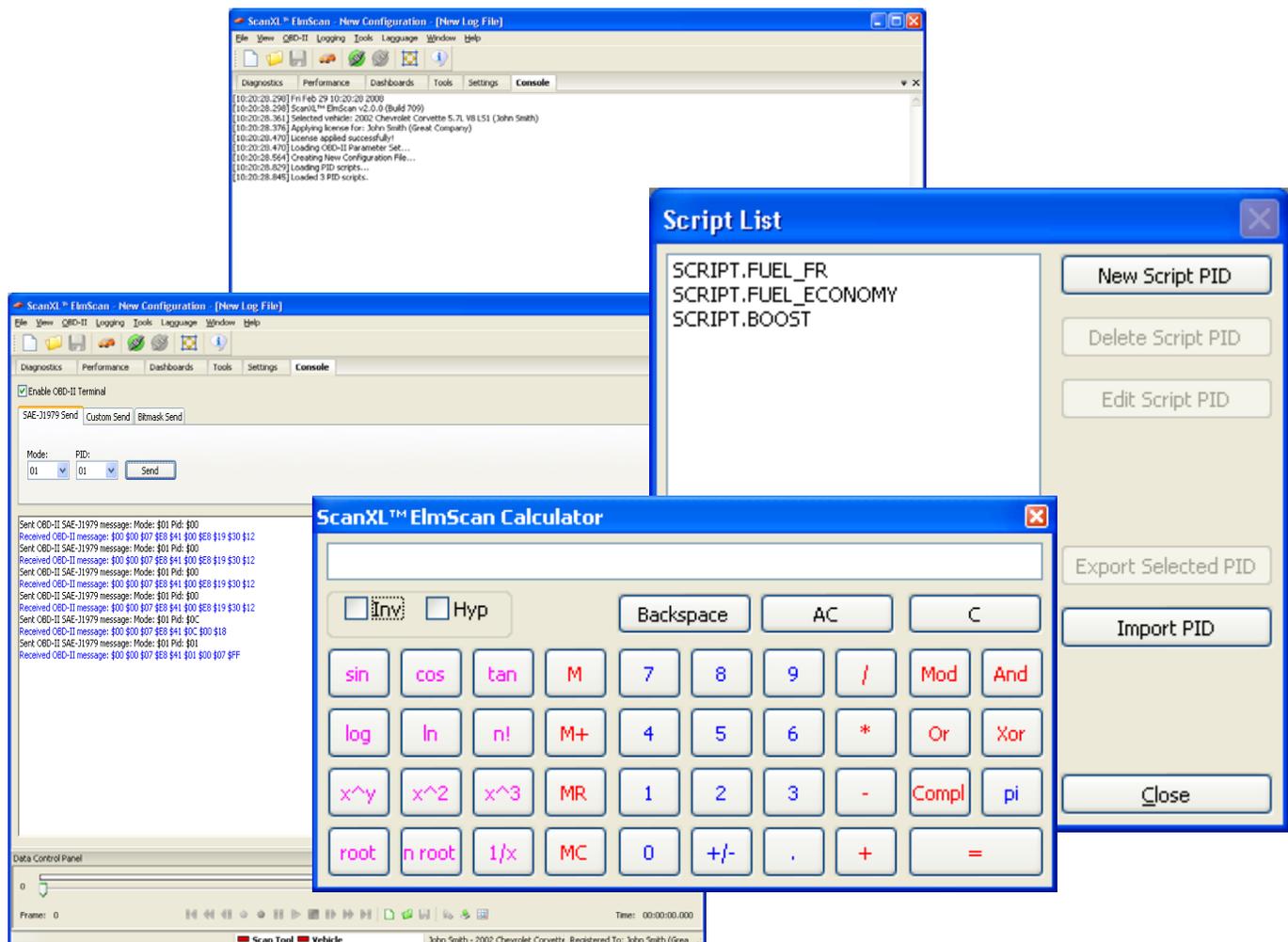
**Dashboard Editor** allows for customizing existing dashboard parameters.



**Script Editor** is used to automate ScanXL functions and create new useful features.



**Plugin Manager** adds software extensions that expand ScanXL's capabilities.





## SETTINGS



**OBD-II Settings** allows the user to select COM port and OBDII connection settings.



**Vehicle Info** stores extended information about the currently selected vehicle.



**Owner Info** stores extended information about the currently selected vehicle owner.



**PID Config** is used to select which sensors and data are active under **Data View, Alerts, Gauges, Graphs and Tables & Maps.**

