



## SOFTWARE COMPARISON CHART

FUNCTION / FEATURE	L Series	Premium Pro
<b>MAIN SCREEN FUNCTIONS</b>		
Multiple User Program Configurations	No	Yes
Save System Snapshot	Yes	Yes
Derrived Speed Kph	Yes	Yes
Derrived Speed Mph	Yes	Yes
User Defined Maths Channels	2	200
Main Screen Analogue Displays ( User Configurable)	Yes	Yes
Main Screen Power, Torque Speed (Live Displays)	Yes	Yes
Gauge Maximum Marker ( Resettable Red Max Needle)	Yes	Yes
Steady State Speed / Axle RPM Set Point Needle	Yes	Yes
Set Point Digital Display	Yes	Yes
Set Point Speed Range ( Axle RPM Range)	0 to 3600 Axle Rpm	0 to 3600 Axle Rpm
Set Point Speed Increments (Axle Speed / RPM)	1,5,10,50 Axle Rpm	1,5,10,50 Axle Rpm
Tacho Trim ( Holds @ Selected Engine RPM point/s)*	Yes	Yes
Tacho Trim Set Point - Engine RPM Increments	1 to 500 rpm	1 to 500 rpm
Left / Right Speed Error %	Yes	Yes
Left / Right Torque Split %	Yes	Yes
Rear / Front Speed Error %		
Rear / Front Torque Split %		
Open / Locked or LSD Differential Mode Selections	Yes	Yes
Definable Speed Error Alarms	Yes	Yes
Screen Data Snapshot ( Freeze Screen Data Snapshot)	Yes	Yes
Main Screen Digital Channel Displays	10	100
Second Monitor Screen ( Extended Desktop Mode)	Option	Yes
Second Monitor Digital Data Displays	Option	6 to 77 Displays
Third Monitor Screen	N/a	Option
Chart Recorder Displays	Yes	Yes
Chart Recorder Channels	4	9
Chart Recorder Channel Groups	1	10
Automatic Weather Station	Yes	Yes
Ambient Air Temperature	Yes	Yes
Barometric Pressure Display	Yes	Yes
Relative Humidity	Yes	Yes
Atmospheric Correction	Yes	Yes
Air Density	Yes	Yes
Humidity Ratio	Yes	Yes
Air Fuel Ratio	Yes	Yes
Lambda	Yes	Yes
Fuel Air Equivalency Factor	Yes	Yes
Live Power Correction	Yes	Yes
External Devices ( < 400 + Supported Devices)	Option	Option

External Program Links	No	Yes
Channel Data Monitor Display	Yes	Yes
W Ramp Test (Light Throttle Diagnostics)	Yes	Yes
Target Fuel Bar Graphs ( > 8 AFR Inputs)	No	Yes
Pressure Delta ( Multiple Pressure Drop Test)	No	Yes
Steady State XY Live Graph	No	Yes
Static Snapshot Logging	No	Yes
Background Data Logging	No	Yes
OBD 2 Data Monitor Screen	Option	Option
Cylinder Balance Test (> 8 Cyl)*	No	Yes
Torque Optimisation - Minimum Timing for Best Torque *	No	Yes
Torque Optimisation - Optimal Lambda *	No	Yes
Torque Optimisation - Optimal Cam or Injection Timing *	No	Yes
Torque Optimisation - Optimal Torque vs Throttle Position *	No	Yes
Torque Optimisation - Injector PW / Duty Cycle *	No	Yes
Injector Dead Time Test ( Live Data) *	No	Yes
8 Channel Live Data Scan ( User Configurable)	No	Yes
Min / Max/ Live Data Capture	Yes	Yes
Channel Alarms ( Visual Warning & Switched Outputs)	Yes	Yes
Channel Data Statistics Summary	No	Yes
<b>RAMP TEST SCREEN FUNCTIONS</b>		
Dynamic Acceleration (Ramp/Pull) Test	Yes	Yes
Step Test ( User Configurable)	No	Yes
Live Power / Torque Graph ( Live as you drive)	Yes	Yes
3 Channel Live Graph (User Definable Channels)	Yes	Yes
Test Data Quick View Screen Feature	No	Yes
Test Data Quick View Digital Displays	No	10
Definable Ramp Rate ( Acceleration Rate) rpm/sec	10 to 600	10 to 600
Ramp up ( Acquire Data - Rising Speed)	Yes	Yes
Ramp Down ( Acquire Data - Falling Speed)	No	Yes
Ramp & Down ( Acquire Both - Average)	No	Yes
Configurable Ramp Test Start Trigger (Power, Boost, Voltage - Other Channels)	Power Trigger Only	Any Channel Trigger
Calculate Engine Acceleration Rate RPM/ sec	Yes	Yes
Excessive Ramp Rate Warning	Yes	Yes
Engine Speed / RPM Limiter ( User Configurable) *	Yes	Yes
Configurable Display Scales	Yes	Yes
Superimposed Reference Graph Run	Yes	Yes
Superimposed Last Graph Run	Yes	Yes
Digital Channel Displays	7	7
Digital Channel Groups	1	10
Second Monitor Screen	N/a	Yes
Second Monitor Digital Data Displays	N/a	6 to 77 Displays
Third Monitor Screen	N/a	Option
<b>ANALYSE SCREEN FUNCTIONS</b>		
Power Graph	Yes	Yes
Torque Graph	Yes	Yes
Motive Force Graph	Yes	Yes
Derived Torque Graph ( Derived from Engine RPM & Power Data)	Yes	Yes
Minor Graphs ( Graph other Channels)	Yes	Yes
On Screen Cursor	Yes	Yes
Statistics @ Cursor	Yes	Yes
Data Cursor Flybox	Yes	Yes

Data Cursor Flybox Size -Small/Medium/ Large	Yes	Yes
Average Results	Yes	Yes
Maximum Results	Yes	Yes
Data Difference Graph	Yes	Yes
Data Difference Percentage Graph	Yes	Yes
Integral Data ( Power under the curve)	No	Yes
X Axis Axle Speed	Yes	Yes
X Axis Engine RPM	Yes	Yes
Autoranging Graph Traces	Yes	Yes
User Definable Fixed Graph Scaling	Yes	Yes
Total Graph Displays	3	12
Data Channels Per Minor Graph	1	10
Toggle Multiple Graph Traces	No	Yes
Data Table ( Min, Max, Difference, Average)	Yes	Yes
RPM Table (Advanced Target AFR/ Boost Table)	Limited	Yes
Data Smoothing ( None, Light, Medium, Heavy)	No	Yes
Smoothing Type Moving Average	Yes	Yes
Smoothing Type - Savitsky - Golay	No	Yes
Average Multiple Runs	No	Yes
Channel Group Graph ( Multiple Trace Graph)	No	Yes
XY Graph ( Definable X & Y Axis)	No	Yes
Automatic Vehicle Cooling Fan Control	Option	Yes
Automatic AFR Meter Heater Control	No	Yes
Auxiliary Fan Control Switch	Option	Option
Dyno Cell Fan Control ( VSD)	No	Option
Warning Strobe Light Activation	No	Option
<b>UTILITIES / TOOLS</b>		
Multiple User Program Configurations	No	Yes
Manage Runs Utility	No	Yes
Find Runs ( Dyno Run Search)	Yes	Yes
Backup Data	Yes	Yes
Export Data	No	Yes
Bulk Export Data	No	Yes
Merge CSV Data File	No	Yes
Engine Calculator	No	Yes
Injector Calculator	No	Yes
Ignition/injection/ Cam Timing Interactive Graphic	No	Yes
Conversion Calculator	No	Yes
Air Flow Calculator	No	Yes
Drag ET Calculator	No	Yes
Ackerman Angle Calculator	No	Yes
General Calculator	No	Yes
Notepad	No	Yes
Basic Paint Program	No	Yes
Gearing Report	No	Yes
Test External Channels	Yes	Yes
<b>DISPLAY MONITOR SUPPORT</b>		
Second Monitor Screen	N/a	Yes
Second Monitor Screen Graphs	N/a	< 10
Third Monitor Screen	N/a	Option
External Monitor Screen Support	Yes	Yes

## PRINT REPORTS

Graph Power / Torque	Yes	Yes
Graph Power/ Motive Force	Yes	Yes
Show Overlay Run	Yes	Yes
Show Minor Graph	Yes	Yes
Print Large Graph ( Landscape Format)	No	Yes
Show Annotations ( Graph Comments)	No	Yes
Insert Image on Graph	No	Yes
Show Business Logo	Yes	Yes
Graph Other Channels ( Any Dyno Channel)	No	Yes
Print XY Graph	No	Yes
Print Channel Groups	No	Yes
Print Multiple Trace Large Graph	No	Yes
Print Multiple Channel Plots	No	Yes
Print Difference Data Table	No	Yes
Print Difference Graph	No	Yes
Print Test Conditions	No	Yes
Insert Memo	No	Yes
Print Graph PDF Format	Yes	Yes
Save Graph Jpg Format	Yes	Yes
Save Graph BMP Format	Yes	Yes

## SOFTWARE CHANNEL LIST

Speed Left ( Axle Rpm)	Yes	Yes
Speed Right ( Axle Rpm)	Yes	Yes
Speed Total ( Axle Rpm)	Yes	Yes
Speed Error %	Yes	Yes
Torque Left	Yes	Yes
Torque Right	Yes	Yes
Torque Total	Yes	Yes
Torque Split % ( Left to Right)	Yes	Yes
Derived Torque	Yes	Yes
Motive Force Left	Yes	Yes
Motive Force Right	Yes	Yes
Motive Force Total	Yes	Yes
Power Left	Yes	Yes
Power Right	Yes	Yes
Power Total	Yes	Yes
Engine Speed ( Secondary or Primary Ignition Source)(Hardware Kit)	Yes	Yes
Derived Engine RPM ( Derived from Axle Speed) (Calculated Engine RPM)	Yes	Yes
Engine Speed ECU	Yes	Yes
Engine Speed OBD - II	Yes	Yes
Exhaust Temperature 1	Yes	Yes
Exhaust Temperature 2	Yes	Yes
Exhaust Temperature 3	Yes	Yes
Exhaust Temperature 4	Yes	Yes
Exhaust Temperature 5	Yes	Yes
Exhaust Temperature 6	Yes	Yes
Exhaust Temperature 7	Yes	Yes
Exhaust Temperature 8	Yes	Yes
Exhaust Temperature 9	Yes	Yes
Exhaust Temperature 10	Yes	Yes
Exhaust Temperature 11	Yes	Yes

Exhaust Temperature 12	Yes	Yes
Exhaust Temperature 13	Yes	Yes
Exhaust Temperature 14	Yes	Yes
Exhaust Temperature 15	Yes	Yes
Exhaust Temperature 16	Yes	Yes
Manifold Pressure 1	Yes	Yes
Manifold Pressure 2	Yes	Yes
Manifold Pressure 3	Yes	Yes
Manifold Pressure 4	Yes	Yes
Manifold Pressure 5	Yes	Yes
Manifold Pressure 6	Yes	Yes
Manifold Pressure Copy Channel 1	Yes	Yes
Manifold Pressure Copy Channel 2	Yes	Yes
Pressure Drop ( Pressure Delta)	Yes	Yes
Intercooler Loss / Pressure Drop	Yes	Yes
MAP / Fuel Delta	Yes	Yes
Lambda / Air: Fuel Ratio 1	Yes	Yes
Lambda / Air: Fuel Ratio 2	Yes	Yes
Lambda / Air: Fuel Ratio 3	Yes	Yes
Lambda / Air: Fuel Ratio 4	Yes	Yes
Lambda / Air: Fuel Ratio 5	Yes	Yes
Lambda / Air: Fuel Ratio 6	Yes	Yes
Lambda / Air: Fuel Ratio 7	Yes	Yes
Lambda / Air: Fuel Ratio 8	Yes	Yes
Lambda / AFR Copy 1	Yes	Yes
Lambda / AFR Copy 2	Yes	Yes
Lambda ( Brettschneider Equation)	Yes	Yes
Fuel Air Equivalency Factor	Yes	Yes
Target Fuel Correction 1	Yes	Yes
Target Fuel Correction 2	Yes	Yes
Target Fuel Correction 3	Yes	Yes
Target Fuel Correction 4	Yes	Yes
Target Fuel Correction 5	Yes	Yes
Target Fuel Correction 6	Yes	Yes
Target Fuel Correction 7	Yes	Yes
Target Fuel Correction 8	Yes	Yes
Target Boost Correction 1	Yes	Yes
Target Boost Correction 2	Yes	Yes
Ambient Temperature	Yes	Yes
Engine Inlet Air Temperature	Yes	Yes
Retarder Temperature 1	Yes	Yes
Retarder Temperature 2	Yes	Yes
Retarder Temperature 3	Yes	Yes
Barometric Pressure	Yes	Yes
Relative Humidity	Yes	Yes
Air Density %	Yes	Yes
Humidity Ratio ( Grains/lb.)	Yes	Yes
Humidity Ratio ( Grams/kg)	Yes	Yes
Oil Pressure	Yes	Yes
Oil Temperature	Yes	Yes
Fuel Pressure	Yes	Yes
Fuel Flow	Yes	Yes
Fuel Temperature	Yes	Yes

Fuel Ethanol Content	Yes	Yes
Percent Fuel Return ( Of Used Fuel)	Yes	Yes
Percent Fuel Return ( Of Total)	Yes	Yes
Fuel Consumption MPG	Yes	Yes
Mass Air Flow ( Calculated)	Yes	Yes
SCT Load ( Ford SCT Tuning Program Users)	Yes	Yes
Specific Air Consumption	Yes	Yes
Specific Fuel Consumption	Yes	Yes
Combustion Efficiency	Yes	Yes
Thermal Efficiency	Yes	Yes
Air Volume Flow ( Fuel Flow x AFR)	Yes	Yes
Fuel Grams / Kilometre	Yes	Yes
Air Grams / Kilometre	Yes	Yes
Total Air Fuel / Kilometre	Yes	Yes
Injector Duty Cycle 1	Yes	Yes
Injector Duty Cycle 2	Yes	Yes
Injector Frequency	Yes	Yes
Injector Pulse Width	Yes	Yes
Injector Maximum Remaining Pulse Width	Yes	Yes
Exhaust Gas Analyser ( Multiple Channels)	Yes	Yes
ECU Data Logging ( Multiple Channels)	Yes	Yes
OBD-II Data ( Multiple Channels)	Yes	Yes
EFILive Flashcan V2 Interface ( Multiple Channels)	Yes	Yes
Analogue Voltage Input 1	Yes	Yes
Analogue Voltage Input 2	Yes	Yes
Analogue Voltage Input 3	Yes	Yes
Analogue Voltage Input 4	Yes	Yes
Common Rail Diesel Derived Fuel Pressure	Yes	Yes
Tyre Loss	Yes	Yes
Wheel Power	Yes	Yes
Torque Convertor Slip	Yes	Yes
Torque Convertor K Factor	Yes	Yes
Torque Convertor Efficiency	Yes	Yes
Piston Speed Average	Yes	Yes
Piston Speed Maximum	Yes	Yes
Piston Acceleration	Yes	Yes
User Definable MATHS Channels	2	200

### ADDITIONAL SOFTWARE PROGRAMS

ECU Data Logging Module ( All Supported ECU Types)	Option	Option
ECU Data Logging Module ( Individual ECU Licence)	Option	Option
RS 232/485/CAN Bus Software Interface	Option	Option
External Devices ( 400+ Supported Devices)	Option	Yes

\* *Optional Software or Hardware may be required to support function*

