

DTA ECU Comparison



ECU	S40PRO	S60PRO	S80PRO	S100PRO	Notes
Size	115 x 100 x 41	134 x 134 x 46	162 x 134 x 46	162 x 134 x 46	Not Including Connector Clearance
Weight	268g	679g	800g	800g	
Processor	ST 40MHz Risc	ST 40MHz Risc	ST 40MHz Risc	ST 40MHz Risc	
Features	S40PRO	S60PRO	S80PRO	S100PRO	
Max Cylndrs Coil per Plug	N/A	4	8	10	Complete range of engines covered
Max Cylndrs Sequential Inj.	N/A	4	8	10	
Max Cyl. Wasted Spark	4	8	12	12	
Max Cyl. Semi Sequ Inj	4	8	12	12	
Unequal Firing	N/A	Yes	Yes	Yes	For complex V engines
Turbo Control	Yes	Yes	Yes	Yes	Via PWM Valve
Idle Control	Yes	Yes	Yes	Yes	Via PWM Valve or Ignition Advance
Cam Control	No	Yes	Yes	Yes	Via PWM Valve or simple switcher
Auto Tune	Yes	Yes	Yes	Yes	For rapid calibration
Closed Loop Fuel	Yes	Yes	Yes	Yes	Excellent emissions performance
RPM Limit	20000	20000	20000	20000	Ideal for motorcycles
Twin Spark Engines	No	Yes	Yes	Yes	Porsche, Fiat etc.
Twin Injector Engines	Yes	Yes	Yes	Yes	Better than single very large injectors
Data Logging	No	Up to 8 Hrs	Up to 16 Hrs	Up to 16 Hrs	Flexible items and recording speed
Launch Control	Yes	Yes	Yes	Yes	Idiot proof starts
Traction Control	No	Yes	Yes	Yes	Adjustable from dashboard
Full Throttle Shift Cut	Yes	Yes	Yes	Yes	With 1 ms resolution variable for different gears
Twin Maps	No	Yes	Yes	Yes	Ideal as power switch in turbo installations
Engine Use Histogram	Yes	Yes	Yes	Yes	Engine builders dream record
Turbo Anti Lag	No	Yes	Yes	Yes	
Crankshaft Oscilloscope	Yes	Yes	Yes	Yes	Tooth pattern and position calculated for fitters
Scaleable Sensors	Yes	Yes	Yes	Yes	Lots of preset options built in, fully customisable
Voltage Compensation	Yes	Yes	Yes	Yes	
Flash Upgradeable	Yes	Yes	Yes	Yes	Keep up to date with latest features easily
CAN Network	Yes	Yes	Yes	Yes	Reliable and ideal for DTA Gdash
Flexible RPM Limit	Yes	Yes	Yes	Yes	Soft and hard
Flexible Input/Output	Yes	Yes	Yes	Yes	For user special requirements
Inputs	S40PRO	S60PRO	S80PRO	S100PRO	
Throttle	Yes	Yes	Yes	Yes	0 - 5 Volts
Water Temp	Yes	Yes	Yes	Yes	2.4K Ohms nominal NTC
Air Temp	Yes	Yes	Yes	Yes	2.4K Ohms nominal NTC
MAP	Yes	Yes	Yes	Yes	0-5 Volts
Lambda	Yes	Yes	Yes (2)	Yes (2)	0-5 Volts, twin lambda contr for V eng on S80/100
Oil Pressure	Yes	Yes	Yes	Yes	0 - 5 Volts, Warnings on dash if required
Fuel Pressure	Yes	Yes	Yes	Yes	0 - 5 Volts, Warnings on dash if required
Oil Temp	Yes	Yes	Yes	Yes	2.4K Ohms nominal NTC
Bat Volts	Yes	Yes	Yes	Yes	Internal
Wheel Speed	Yes (1)	Yes (1)	Yes (4)	Yes (4)	Hall effect NPN open collector

Inputs	S40PRO	S60PRO	S80PRO	S100PRO	
Crank	VR	Hall & VR	Hall & VR	Hall & VR	Use original sensors
Cam	No	Hall & VR	Hall & VR x 2	Hall & VR x 2	Use original sensors
Spare Analogue	Yes(3)	Yes (3)	Yes (3)	Yes (3)	0 - 5 Volts
Launch Switch	Yes	Yes	Yes	Yes	Momentary action push button
Shift Cut	Yes	Yes	Yes	Yes	Switch or NPN open collector
ALS/Second Map	No	Yes	Yes	Yes	Toggle Switch
Lambda Switch	No	Yes	Yes	Yes	Toggle Switch
Traction on	No	No	Yes	Yes	Toggle Switch
Traction Wet Dry	No	No	Yes	Yes	Toggle Switch
Uncommitted Switch	No	No	Yes	Yes	Toggle Switch
Outputs	S40PRO	S60PRO	S80PRO	S100PRO	
Coils	2	4	8	10	9 Amp
Injectors	2	4	8	10	5 Amp
Tacho	Yes	Yes	Yes	Yes	1 Amp
Fuel Pump Relay	Yes	Yes	Yes	Yes	1 Amp
Shift Light	Yes	Yes	Yes	Yes	1 Amp
Aux 2 / Fan	Yes	Yes	Yes	Yes	1 Amp
Turbo Pressure	Yes	Yes	Yes	Yes	1 Amp
Idle Speed	Yes (Shared Inj 2)	Yes	Yes	Yes	1 Amp
Turbo ALS	No	Yes	Yes	Yes	1 Amp
Cam Angle	No	Yes	Yes	Yes	1 Amp (Shared Aux 1)
Other Aux	No	3	5	5	Flexible Switching Facilities
Other Features	S40PRO	S60PRO	S80PRO	S100PRO	
Water Resistant	No	Yes	Yes	Yes	
Sealed latching connectors	Yes	Yes	Yes	Yes	
Ign. only version available?	Yes	No	No	No	